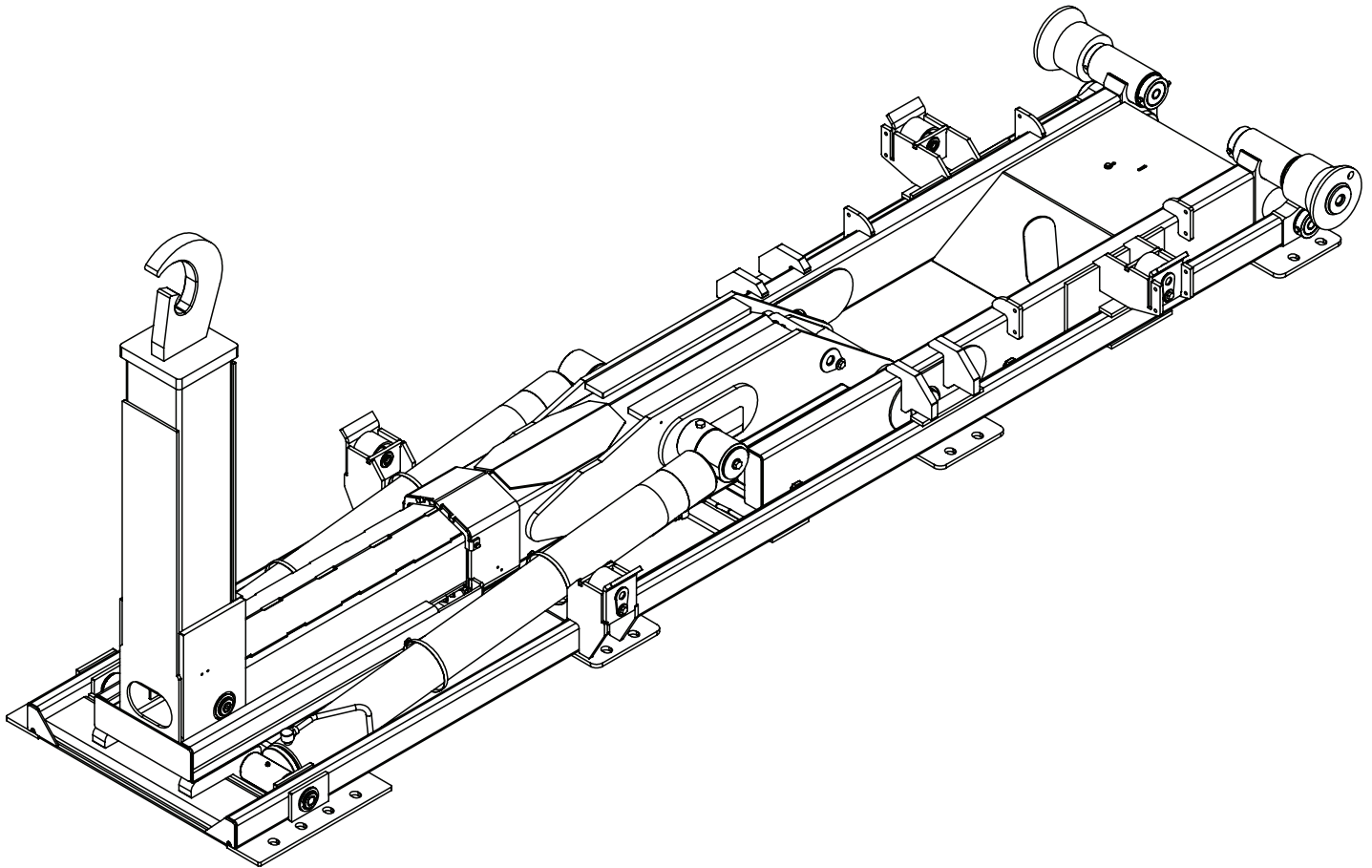




# Slider40 Hooklift Owner's Manual

Installation • Assembly Drawings • Parts



**Stellar Industries, Inc.**

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# Slider Hooklift Manual Revisions

Date of Revision	Section Revised	Description of Revision

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# Introduction

A copy of this manual is provided with every hooklift and can be found in the hard plastic manual case that is installed on the chassis. A copy of this manual shall remain with the hooklift at all times.

Throughout the manual, three signal words will be used to bring attention to important items:

## **NOTICE**

A NOTICE signal word indicates a practice not related to physical injury.

## **⚠ WARNING**

A WARNING signal word indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **⚠ DANGER**

A DANGER signal word indicates a hazardous situation which, if not avoided, will result in death or serious injury.

Information contained within this manual does not cover operation, maintenance, or troubleshooting. Please refer to the General Slider Hooklift Manual for details on these items.

This manual is not binding. Stellar Industries, Inc. reserves the right to change, at any time, any or all of the items, components, and parts deemed necessary for product improvement or commercial/production purposes. This right is kept with no requirement or obligation for immediate mandatory updating of this manual.

In closing:

If more information is required or technical assistance is needed, or if you feel that any part of this manual is unclear or incorrect, please contact the Stellar Customer Service Department by phone at 800-321-3741 or email at [service@stellarindustries.com](mailto:service@stellarindustries.com).

**For Technical Questions, Information, Parts, or Warranty, Call Toll-Free at  
800-321-3741**

Hours: Monday - Friday, 8:00 a.m. - 5:00 p.m. CST

Or email at the following addresses:

**Technical Questions, and Information**

[service@stellarindustries.com](mailto:service@stellarindustries.com)

**Order Parts**

[parts@stellarindustries.com](mailto:parts@stellarindustries.com)

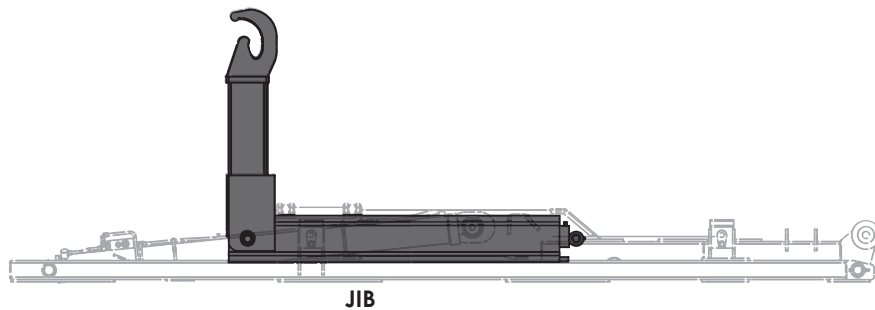
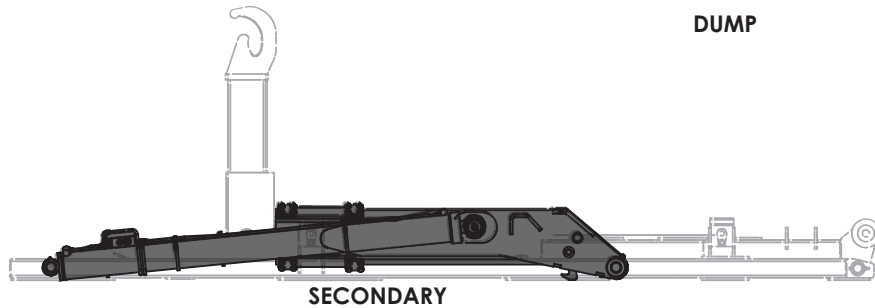
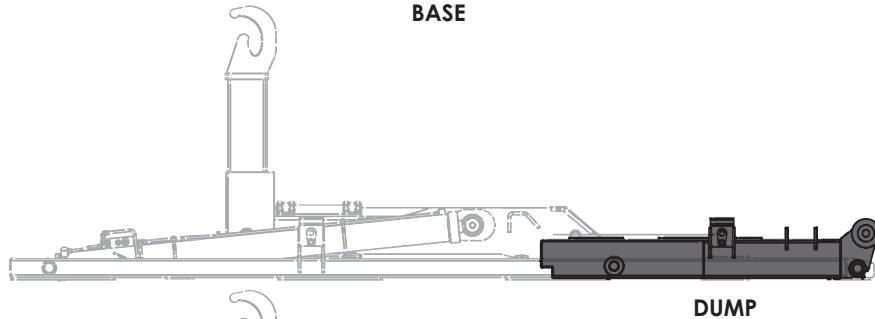
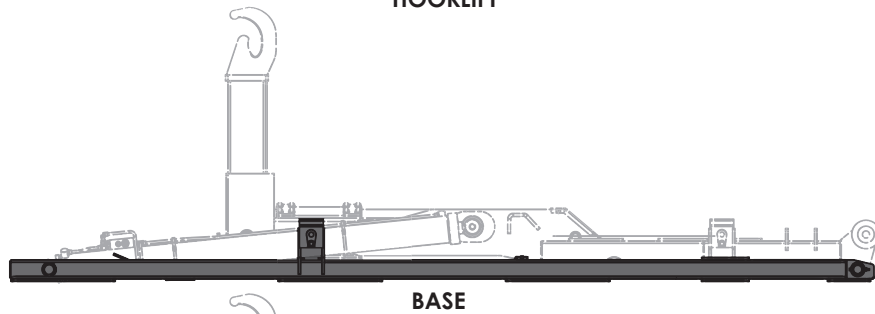
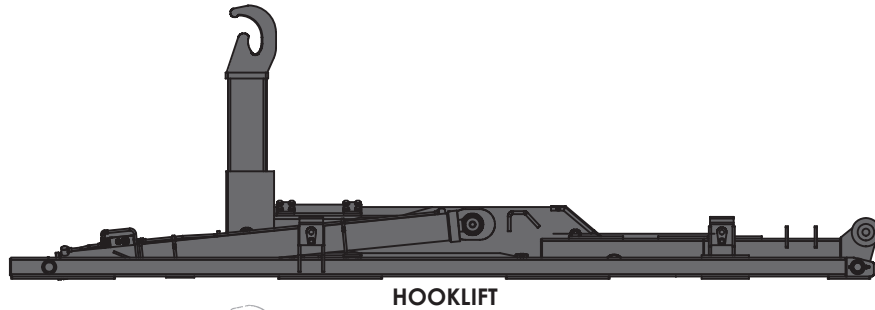
**Warranty Information**

[warranty@stellarindustries.com](mailto:warranty@stellarindustries.com)

# Hooklift Nomenclature

The Stellar® Slider is a hydraulic, body-loading device when mounted on a truck chassis. It can handle a multitude of bodies ranging from flatbeds to recycling containers and dump bodies.

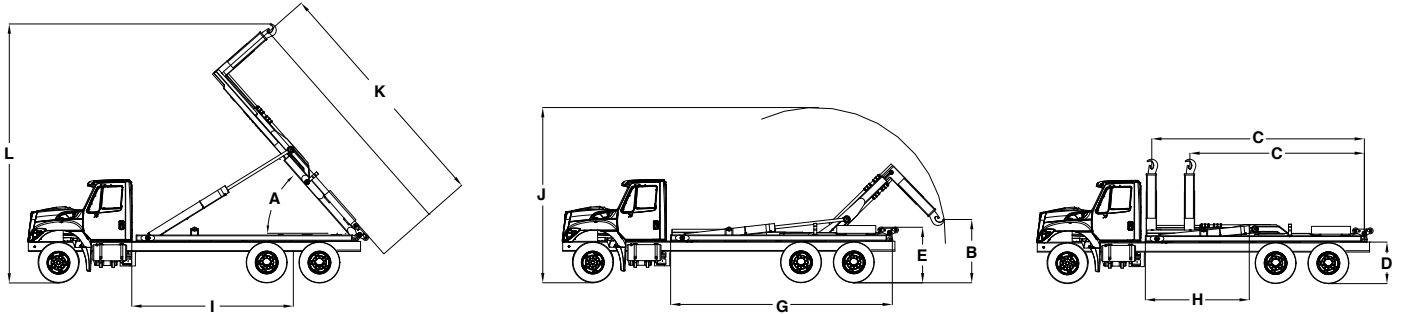
The Slider consists of four basic parts: the base, dump, secondary, and jib sections. Please take the time to familiarize yourself with the various components. Knowing the proper terminology is necessary to get the full benefit of this manual.



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# Chapter 1 - Specifications

## Slider40 Specifications



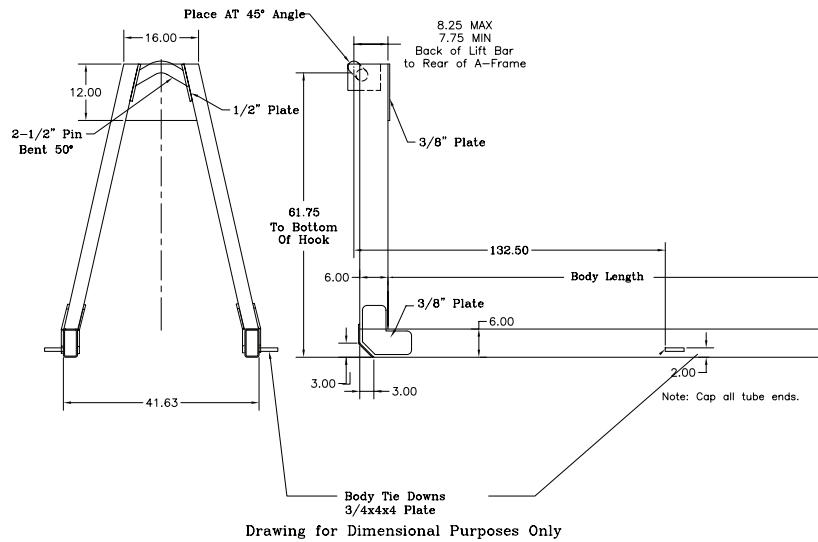
	54" (1,372mm) Fixed Hook Height	61.75" (1,569mm) Fixed Hook Height	54" (1,372mm) to 61.75" (1,569mm) Adjustable Hook Height
Lifting Capacity	37,000 lbs (16,783 kg)	40,000 lbs (18,144 kg)	37,000 lbs - 40,000 lbs (16,783 kg - 18,144 kg)
Dumping Capacity	40,000 lbs (18,144 kg)	40,000 lbs (18,144 kg)	40,000 lbs (18,144 kg)
A Dump Angle	51°	51°	51°
B Lowest Hook Height	47.75" (1,213 mm)	40.75" (1,035 mm)	47.75" or 40.75" (1,213 mm or 1,035 mm)
C Effective Length	132" to 168" (3,353 to 4,267 mm)	132" to 168" (3,353 mm to 4,267 mm)	132" to 168" (3,353 mm to 4,267 mm)
D Truck Frame Height	43" (1,092 mm)	43" (1,092 mm)	43" (1,092 mm)
E Hooklift Height	55" (1,397 mm)	55" (1,397 mm)	55" (1,397 mm)
G Hooklift Length	180" (4,572 mm)	180" (4,572 mm)	180" (4,572 mm)
H Hooklift Center of Gravity	76" (1,930 mm)	76" (1,930 mm)	69.50" (1,765 mm)
I Chassis Cab to Trunion	130" to 144" (3,302 mm to 3,658 mm)***	130" to 144" (3,302 mm to 3,658 mm)***	130" to 144" (3,302 mm to 3,658 mm)***
J Max. Height When Loading	152" (3,861 mm)	157" (3,988 mm)	157" (3,988 mm)
K Longest Body When Dumping	228" (5,791 mm)	228" (5,791 mm)	228" (5,791 mm)
L Max. Height When Dumping	230" (5,842 mm)	230" (5,842 mm)	230" (5,842 mm)
Maximum Operating Pressure	4,500 psi (31 MPa)	4,500 psi (31 MPa)	4,500 psi (31 MPa)
Hydraulic Flow	24 gpm (91 lpm)	24 gpm (91 lpm)	24 gpm (91 lpm)
Shipping Weight	4,200 lbs (1,905 kg)	4,250 lbs (1,928 kg)	4,550 lbs (2,064 kg)
Shipping Dimensions (LxWxH)	182" x 79" x 48"	182" x 79" x 48"	182" x 86" x 48"
Minimum Truck GVWR	43,000 lbs (19,504 kg)	43,000 lbs (19,504 kg)	43,000 lbs (19,504 kg)
Load Angle w/Shortest Body Length	38°	36°	36° or 34°
Recommended Container Lengths*	12' to 16' (3.6 m to 4.9 m)	12' to 16' (3.6 m to 4.9 m)	12' to 16' (3.6 m to 4.9 m)
Recommended Flatbed Lengths**	to 18' (5.5 m)	to 18' (5.5 m)	to 18' (5.5 m)

\*Assumes 3 ft. overhang from center of rear roller pin (Bumper typically 12" from center of roller pin)

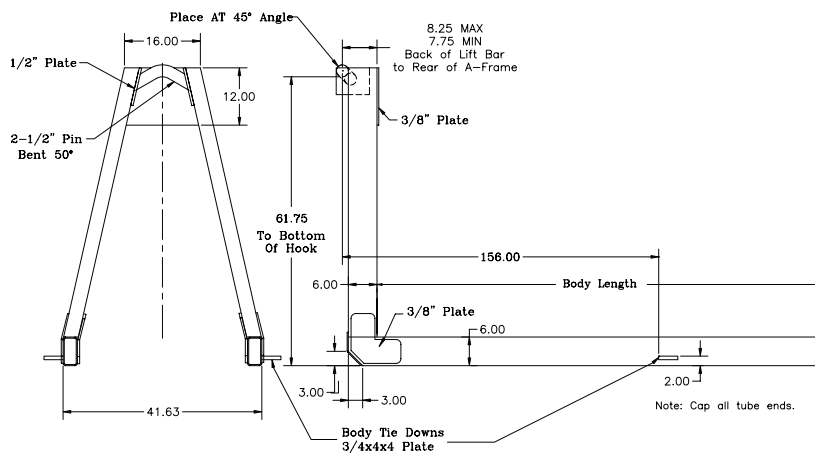
\*\*Assumes 5 ft. overhang from center of rear roller pin (May require bumper and latch options)

\*\*\*Weight Distribution Required

# Slider40 Latch Locations for Skid Compatibility



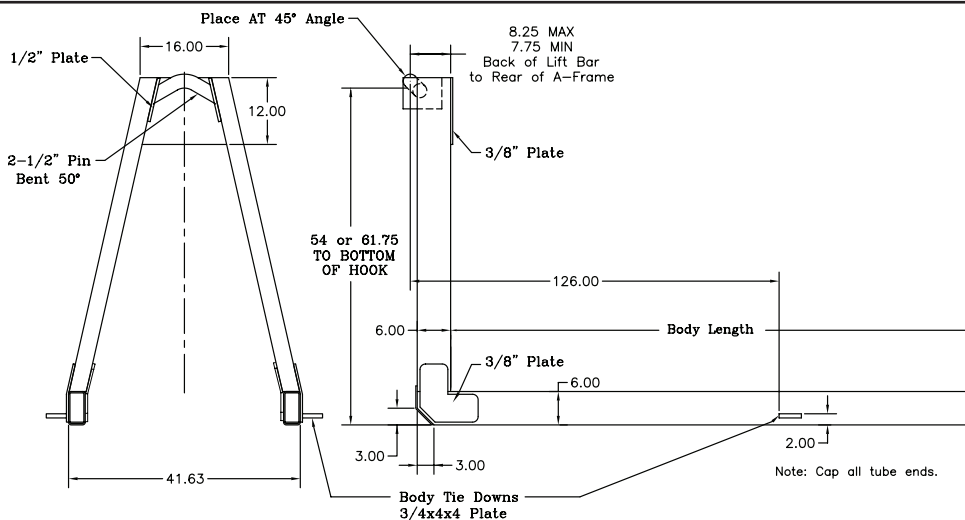
Minimum recommended rail construction per number of rear rollers on loader.		
	Single	Double
108-14-32	6x3x3/8	6x2x1/4
128-14-32	6x3x3/8	6x2x1/4
108-14-40	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
Slider26	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
Slider40	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt



Minimum recommended rail construction per number of rear rollers on loader.		
	Single	Double
168-20-20	6x2x1/4	6x2x1/4
158-18-32	6x2x1/4 & 1/2x2 Plt	6x2x1/4
138-18-32	6x2x1/4 & 1/2x2 Plt	6x2x1/4
138-18-40	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
138-18-52	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
138-18-65	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
Slider26	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
Slider40	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt



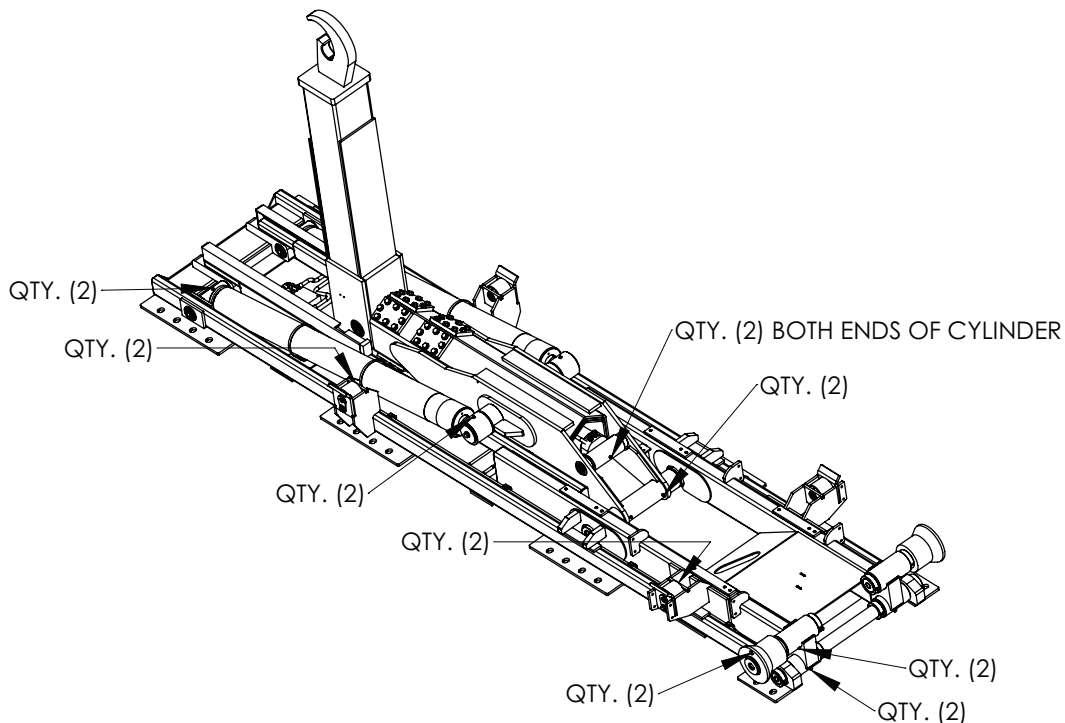
# Slider40 Latch Locations for Skid Compatibility (cont.)



Drawing for Dimensional Purposes Only

Minimum recommended rail construction per number of rear rollers on loader.		
	Single	Double
Slider34	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
Slider40	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt

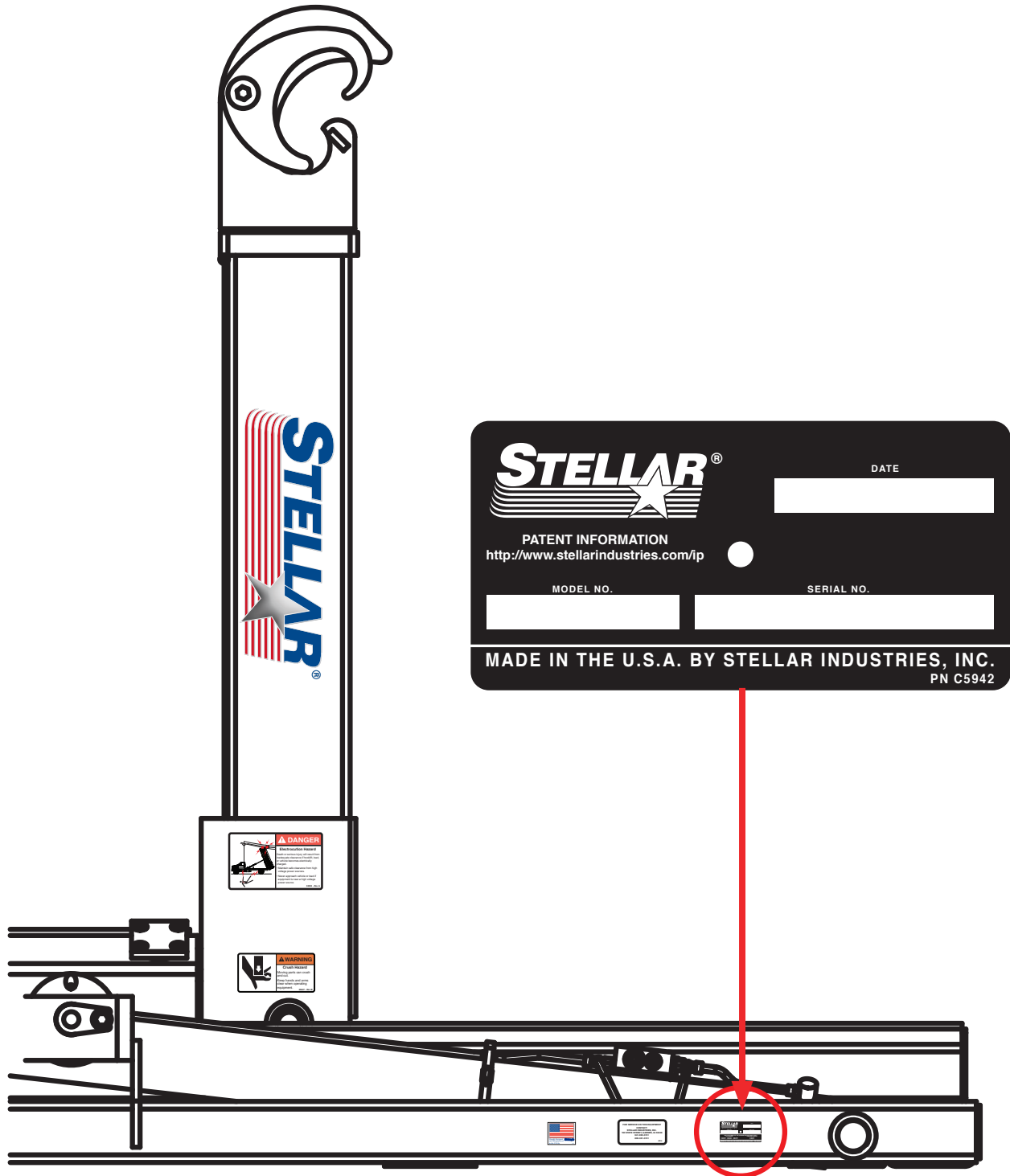
## Slider40 Grease Zerk Locations



**Note: Grease After Every 100 Cycles.**

# Serial Tag Location

The serial tag should be located on the right side (passenger side) of the base assembly:



# Chapter 2 - Installation

## General Installation

This chapter is designed to serve as a general guide for the installation of a Stellar® Slider40 Hooklift. Each installation is considered unique so certain portions of this chapter may or may not apply to your direct application. If a question should arise during the installation process, please contact Stellar Customer Service at (800) 321 3741.

PTO and Pump installation instructions are provided by the corresponding manufacturers. For more information on which PTO and Pump fit your application, please contact your local Stellar Distributor or Stellar Customer Service.

**⚠ WARNING** Do not install this hooklift on a chassis not capable of handling the loads imposed on it. Failure to do so may result in serious injury or death.

**NOTICE** Do not weld or drill holes into the side wall of the base tubes.

### Hooklift Mounting and Assembly

Study names and locations of the parts and familiarize yourself with the hooklift before starting the assembly. Reading the step-by-step instructions that follow will be helpful.

#### Assembly

Select an area for assembly that will be large enough to accommodate the completed unit. The surface of the work area should be as level as possible. Use the proper hand tools to ensure proper bolt tightness. Refer to the torque data chart in this chapter for the recommended torque values for different sizes of bolts.

#### Model Number

Know the model number of the Stellar® Hooklift being mounted. Use this model number whenever referring to the assembly or parts listing pages. The number is stamped on the name plate which is located on the front frame member.

## Installer Notice

According to Federal Law (49 cfr part 571), each final-stage manufacturer shall complete the vehicle in such a manner that it conforms to the standards in effect on the date of manufacture of the incomplete vehicle, the date of final completion, or a date between those two dates. This requirement shall, however, be superseded by any conflicting provisions of a standard that applies by its terms to vehicles manufactured in two or more stages.

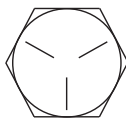
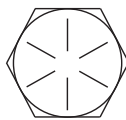
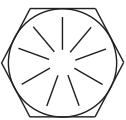
Therefore, the installer of Stellar® Hooklifts is considered one of the manufacturers of the vehicle. As such a manufacturer, the installer is responsible for compliance with all applicable federal and state regulations. They are required to certify that the vehicle is in compliance with the Federal Motor Vehicle Safety Standards and other regulations issued under the National Traffic and Motor Vehicle Safety Act.

Please reference the Code of Federal Regulations, title 49 - Transportation, Volume 5 (400-999), for further information, or visit <http://www.gpoaccess.gov/nara/index.html> for the full text of Code of Federal Regulations.

## Torque Data Chart

When using the torque data in the chart, the following rules should be observed:

- Bolt manufacturer's particular specifications should be consulted when provided.
- Flat washers of equal strength must be used.
- All torque measurements are given in foot-pounds. To convert to inch-pounds, multiply by 12.
- Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphite, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.
- Torque values for socket-head capscrews are the same as for Grade 8 capscrews.
- Do not use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.
- Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.
- Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.
- Tighten plastic insert or crimped steel-type lock nuts to approximately 110 percent of the dry torque values shown in the chart below, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value. *Note: "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without lubrication. Tighten lubricated bolts to approximately 80% of dry bolts.*

		GRADE 5		GRADE 8		GRADE 9
						
Size (DIA-TPI)	Bolt DIA (Inches)	Plain (Ft-Lb)	Plated (Ft-Lb)	Plain (Ft-Lb)	Plated (Ft-Lb)	Plated (Ft-Lb)
5/16-18	0.3125	17	13	25	18	22
3/8-16	0.3750	31	23	44	33	39
7/16-14	0.4375	49	37	70	52	63
1/2-13	0.5000	75	57	105	80	96
9/16-12	0.5625	110	82	155	115	139
5/8-11	0.6250	150	115	220	160	192
3/4-10	0.7500	265	200	375	280	340
7/8-9	0.8750	395	295	605	455	549
1-8	1.000	590	445	910	680	823
1 1/8-7	1.1250	795	595	1290	965	1167
1 1/4-7	1.2500	1120	840	1815	1360	1646
1 3/8-6	1.3750	1470	1100	2380	1780	2158
1 1/2-6	1.500	1950	1460	3160	2370	2865

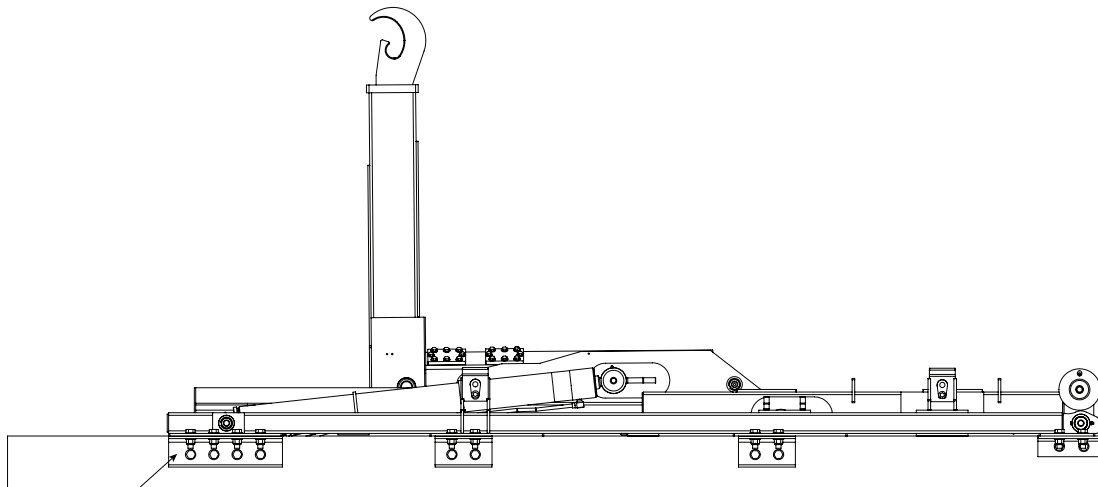
## Installation Note

Every hooklift installation is unique. However, certain guidelines exist that apply to every model. Listed below is a general set of chronological steps that may be followed when installing a Stellar Hooklift. If any questions arise during the installation process, feel free to contact your local dealer or Stellar Customer Service at 800-321-3741.

### Step 1: Set the hooklift onto the truck frame.

- Visually inspect the truck and look for any potential issues. For example: Clearance problems, cross members extending too high, insufficient room in front of the Slider for tarpers, exhaust manifolds, etc., or insufficient room in the rear to allow for bumper selection. *Note: Stellar Industries recommends allowing 12" behind the start of clear truck frame for installation of a tarping system.*
- Be sure to square the Slider on the truck frame to allow for proper measurement. The front of the hooklift needs to be at least 2.50" behind the cab or any equipment mounted behind the cab. *Note: On some Slider models, the jib may extend beyond the front of the base.*

### Step 2: Drill mounting holes.



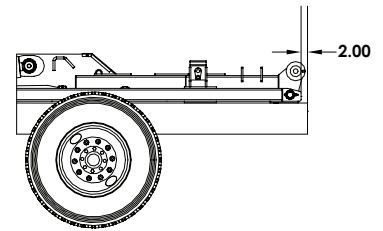
Note: Only the front angle mount requires four (4) bolts to install the angle mount to the truck frame and four (4) bolts to install the hooklift to the angle mount.

The rear three (3) angle mounts require two (2) bolts each to install the angle mount to the truck frame and two (2) bolts to install the hooklift to the angle mount.

- When positioning mounts to frame, tie-down castings are bolted to the underside of each tie down plate located on the outside of the main rails of the base. The tie-down plate closest to the front of the base requires one mount on each side of the pin. This is the only time two tie down castings are required per a single tie-down plate. The tie-down plates are designed with multiple slots to offer more flexibility in mounting locations. Additional holes may not be added to the tie-down plates.
- Using the tie-down castings as a guide, drill 11/16" holes through the truck frame as shown.

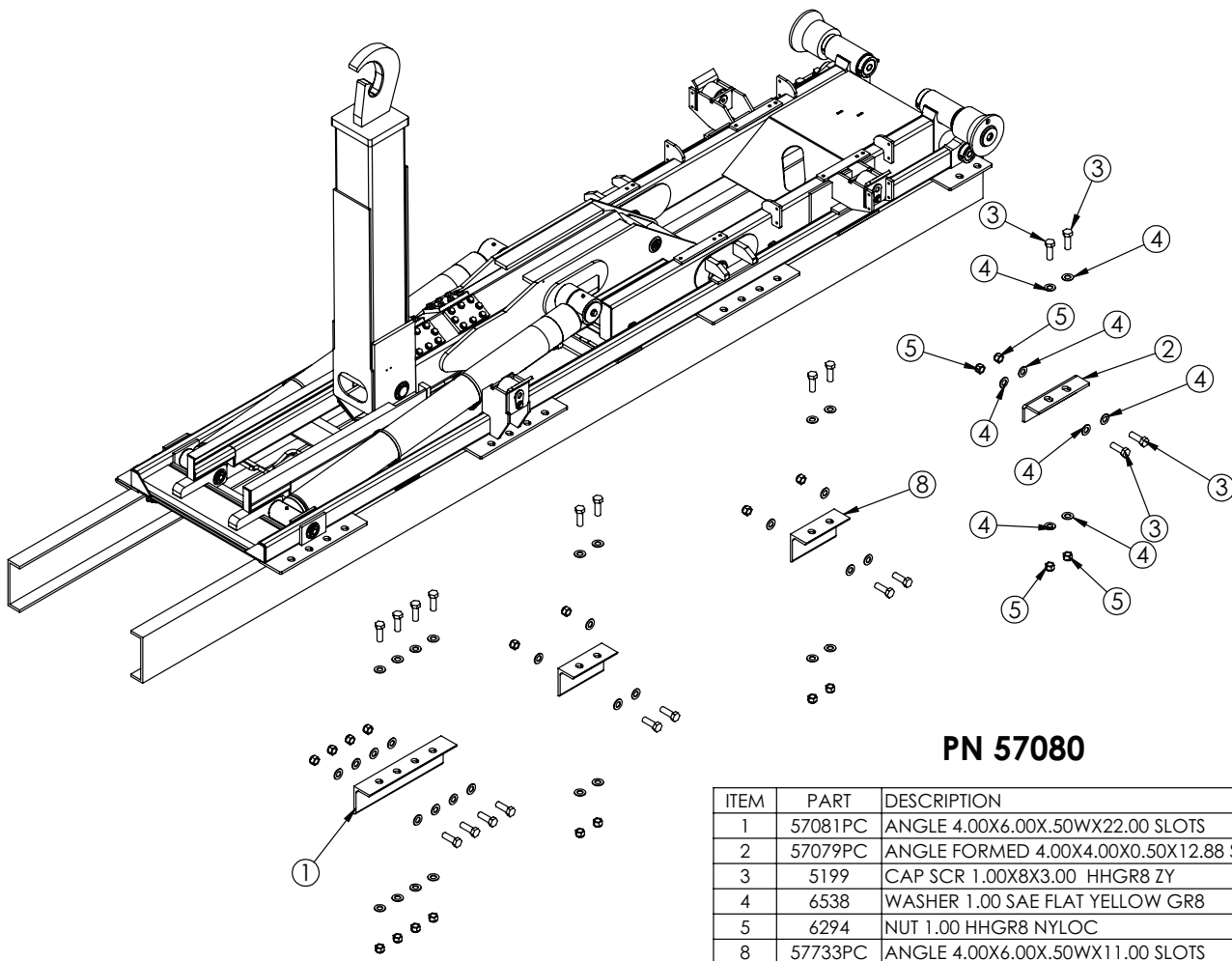
## Step 3: Install bumper.

- See NHTSA (National Highway Truck Safety Administration) Regulations for acceptable placement.
- Modify the truck frame as necessary so that it ends 2" from the rear of the hooklift.



## Step 4: Install tie-downs.

Note: See torque chart at beginning of chapter.



**PN 57080**

ITEM	PART	DESCRIPTION	QTY.
1	57081PC	ANGLE 4.00X6.00X.50WX22.00 SLOTS	2
2	57079PC	ANGLE FORMED 4.00X4.00X0.50X12.88 SLOTS	2
3	5199	CAP SCR 1.00X8X3.00 HHGR8 ZY	40
4	6538	WASHER 1.00 SAE FLAT YELLOW GR8	80
5	6294	NUT 1.00 HHGR8 NYLOC	40
8	57733PC	ANGLE 4.00X6.00X.50WX11.00 SLOTS	4

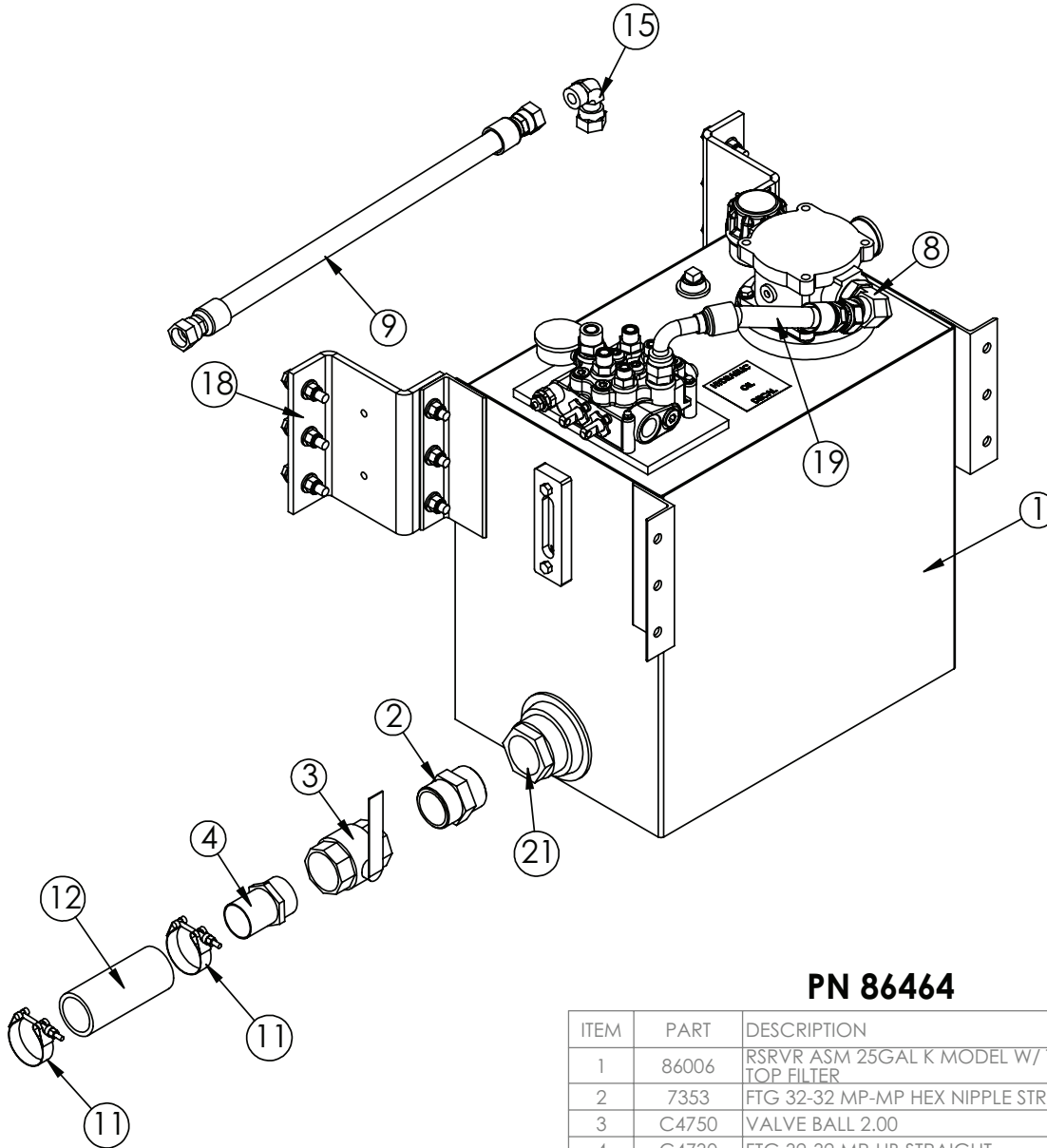
## Step 5: Install taper tower (If applicable).

See brand specific installation instructions.

## Step 6: Install hydraulic reservoir and valve bank.

- Before drilling and bolting to the frame, confirm adequate room for cable routing between in-cab controls and the valve bank. **Note: The top of the reservoir should not be above the truck frame.**

# Reservoir Assembly (2 Section Cable Controls) - PN 86464



## PN 86464

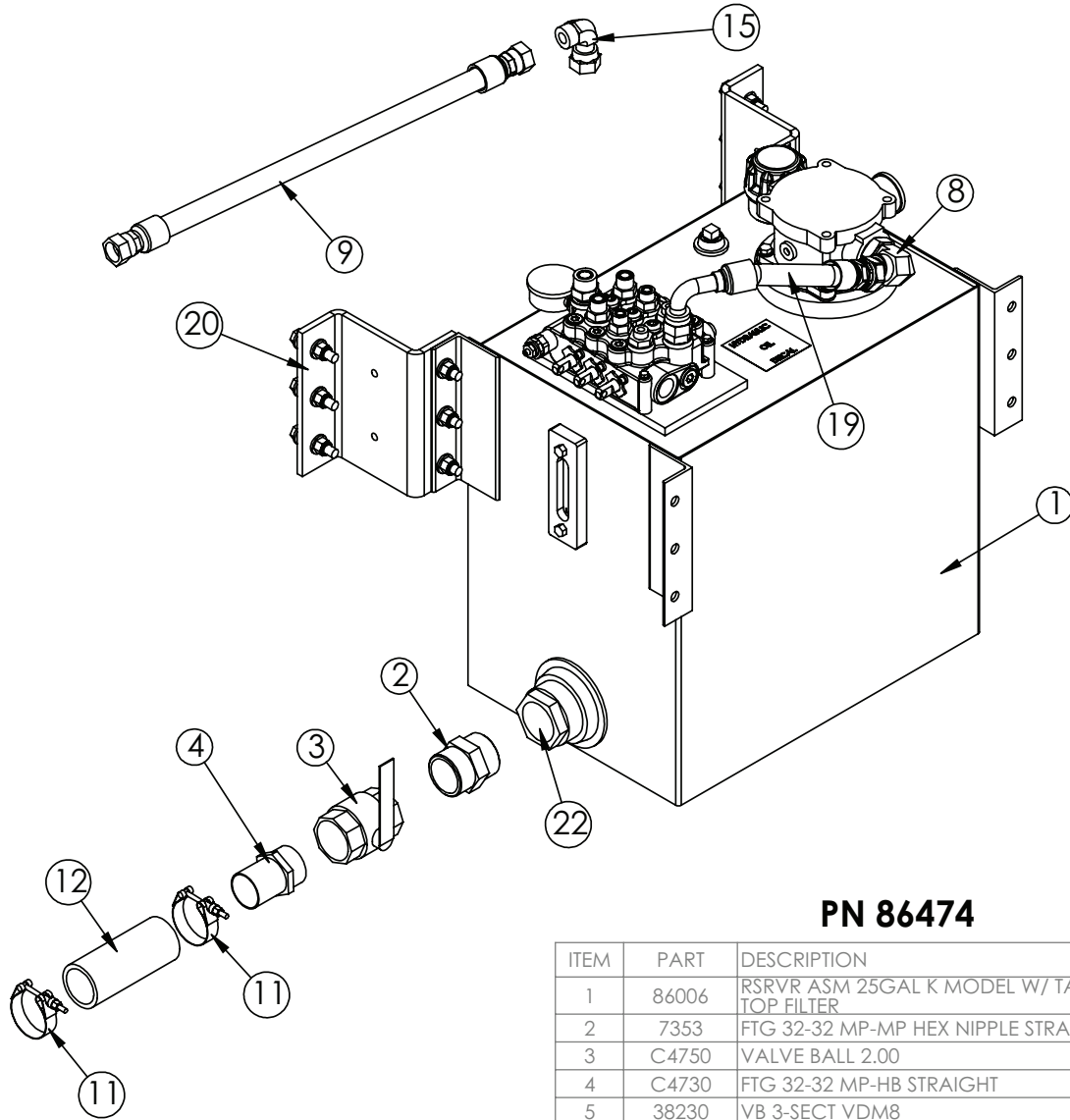
ITEM	PART	DESCRIPTION	QTY.
1	86006	RSRVR ASM 25GAL K MODEL W/ TANK TOP FILTER	1
2	7353	FTG 32-32 MP-MP HEX NIPPLE STRAIGHT	1
3	C4750	VALVE BALL 2.00	1
4	C4730	FTG 32-32 MP-HB STRAIGHT	1
5	24611	VB 2-SECTION VDM8	1
6	0521	WASHER 0.25 LOCK	3
7	0339	CAP SCR 0.25-20X2.50 HHGR5	3
8	60395	FTG 16-20 MFS-MAORB 90	1
9	27119	HOSE 0.75(78C-12-JC-JC-12-12-12-120)	1
10	10094	GAUGE OIL LF 2.5" 0-5000 BM	1
11	C4819	HOSE CLAMP 2.00	2
12	17766	HOSE SUCT 2.00 10FT	1
13	25630	FTG 10-4 MORB-FP STRAIGHT	1
14	d1435	FTG 12-10 MFS-MORB STRAIGHT	1
15	c4903	FTG 12-12 MFS-FFSS 90	1
16	16152	FTG 10-10 MFS-MORB STRAIGHT	2
17	C2252	FTG 8-10 MFS-MORB STRAIGHT	2
18	83961	MNT KIT RSRVR 25G W/Z-BRKTS	1
19	86168	HOSE 0.75(300PSI)-16FFSS SHORT-12FFSS 90 SHORT-7.75CL	1
20	C2142	FTG 12-12 MFS-MORB STRAIGHT	1
21	C6327	FILTER STRAINER 35GAL TF-2030	1

NOTE: ITEMS NOT SHOWN

25941 - DECAL LOADER VB VDM8 HOSE LOACTION X 1

42971 - DECAL OIL FILTER CHANGE X 1

# Reservoir Assembly (3 Section Cable Controls) - PN 86474



## PN 86474

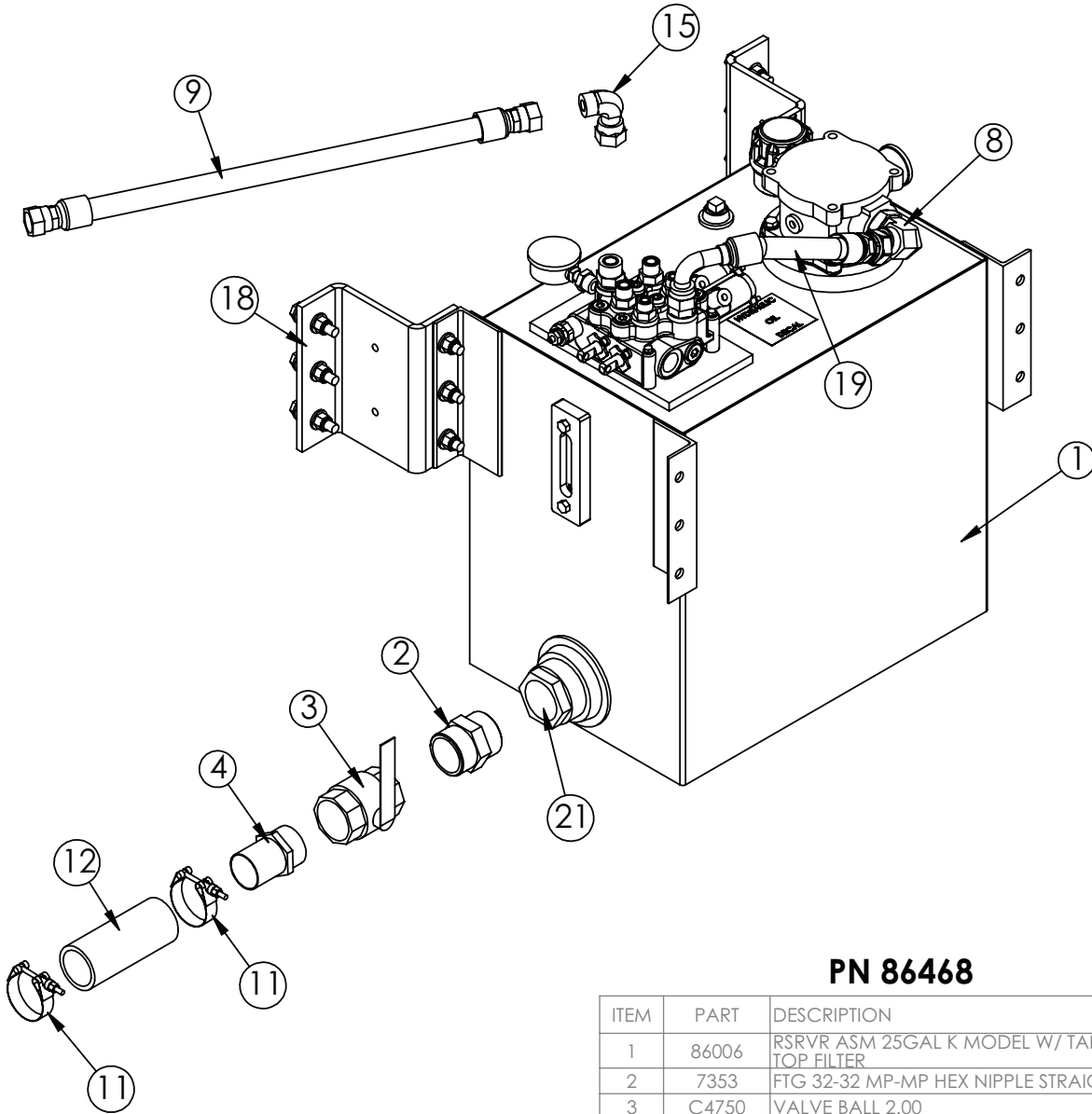
ITEM	PART	DESCRIPTION	QTY.
1	86006	RSRVR ASM 25GAL K MODEL W/ TANK TOP FILTER	1
2	7353	FTG 32-32 MP-MP HEX NIPPLE STRAIGHT	1
3	C4750	VALVE BALL 2.00	1
4	C4730	FTG 32-32 MP-HB STRAIGHT	1
5	38230	VB 3-SECT VDM8	1
6	0521	WASHER 0.25 LOCK	3
7	0339	CAP SCR 0.25-20X2.50 HHGR5	3
8	60395	FTG 16-20 MFS-MAORB 90	1
9	27119	HOSE 0.75(78C-12-JC-JC-12-12-12-120)	1
10	10094	GAUGE OIL LF 2.5" 0-5000 BM	1
11	C4819	HOSE CLAMP 2.00	2
12	17766	HOSE SUCT 2.00 10FT	1
13	25630	FTG 10-4 MORB-FP STRAIGHT	1
14	d1435	FTG 12-10 MFS-MORB STRAIGHT	1
15	c4903	FTG 12-12 MFS-FFSS 90	1
16	16152	FTG 10-10 MFS-MORB STRAIGHT	2
17	C2252	FTG 8-10 MFS-MORB STRAIGHT	2
18	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
19	86168	HOSE 0.75(300PSI)-1.6FFSS SHORT-12FFSS 90 SHORT-7.75CL	1
20	83961	MNT KIT RSRVR 25G W/Z-BRKTS	1
21	C2142	FTG 12-12 MFS-MORB STRAIGHT	1
22	C6327	FILTER STRAINER 35GAL TF-2030	1

**NOTE: ITEMS NOT SHOWN**

25941 - DECAL LOADER VB VDM8 HOSE LOACTION X 1  
 42971 - DECAL OIL FILTER CHANGE X 1  
 26182 - PORT RELIEF VDM8 2500 PSI X 2



# Reservoir Assembly (2 Section Air Controls) - PN 86468

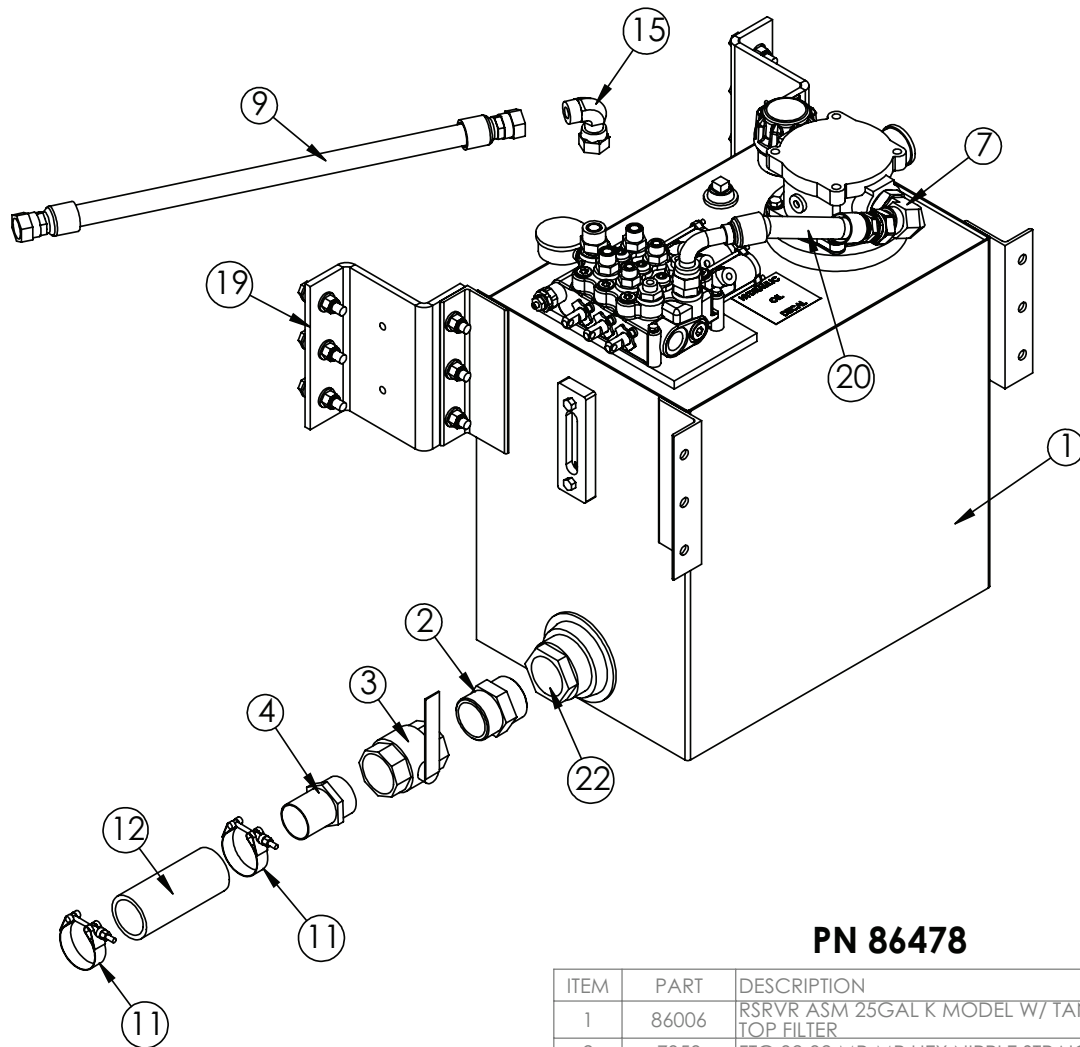


## PN 86468

ITEM	PART	DESCRIPTION	QTY.
1	86006	RSRVR ASM 25GAL K MODEL W/ TANK TOP FILTER	1
2	7353	FTG 32-32 MP-MP HEX NIPPLE STRAIGHT	1
3	C4750	VALVE BALL 2.00	1
4	C4730	FTG 32-32 MP-HB STRAIGHT	1
5	25940	VB 2-SECTION VDM8 W/AIR ACTUATORS	1
6	0521	WASHER 0.25 LOCK	3
7	0339	CAP SCR 0.25-20X2.50 HHGR5	3
8	60395	FTG 16-20 MFS-MAORB 90	1
9	27119	HOSE 0.75(78C-12-JC-JC-12-12-12-120)	1
10	10094	GAUGE OIL LF 2.5" 0-5000 BM	1
11	C4819	HOSE CLAMP 2.00	2
12	17766	HOSE SUCT 2.00 10FT	1
13	25630	FTG 10-4 MORB-FP STRAIGHT	1
14	d1435	FTG 12-10 MFS-MORB STRAIGHT	1
15	c4903	FTG 12-12 MFS-FFSS 90	1
16	16152	FTG 10-10 MFS-MORB STRAIGHT	2
17	C2252	FTG 8-10 MFS-MORB STRAIGHT	2
18	83961	MNT KIT RSRVR 25G W/Z-BRKTS	1
19	86168	HOSE 0.75(300PSI)-16FFSS SHORT-12FFSS 90 SHORT-7.75CL	1
20	C2142	FTG 12-12 MFS-MORB STRAIGHT	1
21	C6327	FILTER STRAINER 35GAL TF-2030	1

NOTE: ITEMS NOT SHOWN  
 25941 - DECAL LOADER VB VDM8 HOSE LOACTION X 1  
 42971 - DECAL OIL FILTER CHANGE X 1

# Reservoir Assembly (3 Section Air Controls) - PN 86478



## PN 86478

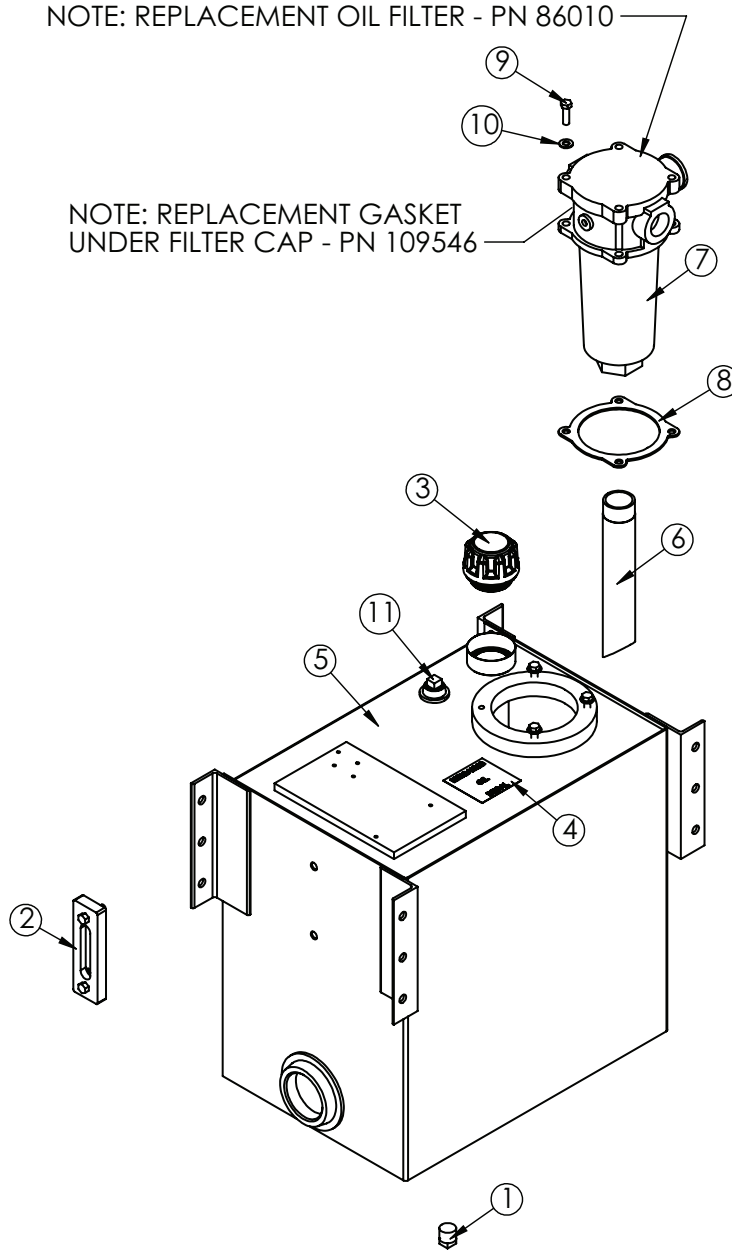
ITEM	PART	DESCRIPTION	QTY.
1	86006	RSRVR ASM 25GAL K MODEL W/ TANK TOP FILTER	1
2	7353	FTG 32-32 MP-MP HEX NIPPLE STRAIGHT	1
3	C4750	VALVE BALL 2.00	1
4	C4730	FTG 32-32 MP-HB STRAIGHT	1
5	47562	VB 3-SECTION VDM8 W/AIR ACTUATORS	1
6	0521	WASHER 0.25 LOCK	3
7	60395	FTG 16-20 MFS-MAORB 90	1
8	C2252	FTG 8-10 MFS-MORB STRAIGHT	2
9	27119	HOSE 0.75(78C-12-JC-JC-12-12-12-120)	1
10	10094	GAUGE OIL LF 2.5" 0-5000 BM	1
11	C4819	HOSE CLAMP 2.00	2
12	17766	HOSE SUCT 2.00 10FT	1
13	25630	FTG 10-4 MORB-FP STRAIGHT	1
14	d1435	FTG 12-10 MFS-MORB STRAIGHT	1
15	c4903	FTG 12-12 MFS-FFSS 90	1
16	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
17	0339	CAP SCR 0.25-20X2.50 HHGR5	3
18	16152	FTG 10-10 MFS-MORB STRAIGHT	2
19	83961	MNT KIT RSRVR 25G W/Z-BRKTS	1
20	86168	HOSE 0.75(300PSI)-1 6FFSS SHORT-12FFSS 90 SHORT-7.75CL	1
21	C2142	FTG 12-12 MFS-MORB STRAIGHT	1
22	C6327	FILTER STRAINER 35GAL TF-2030	1

NOTE: ITEMS NOT SHOWN  
 25941 - DECAL LOADER VB VDM8 HOSE LOCATION X 1  
 42971 - DECAL OIL FILTER CHANGE X 1  
 26182 - PORT RELIEF VDM8 2500 PSI X 2

## Reservoir Subassembly - PN 86006

NOTE: REPLACEMENT OIL FILTER - PN 86010

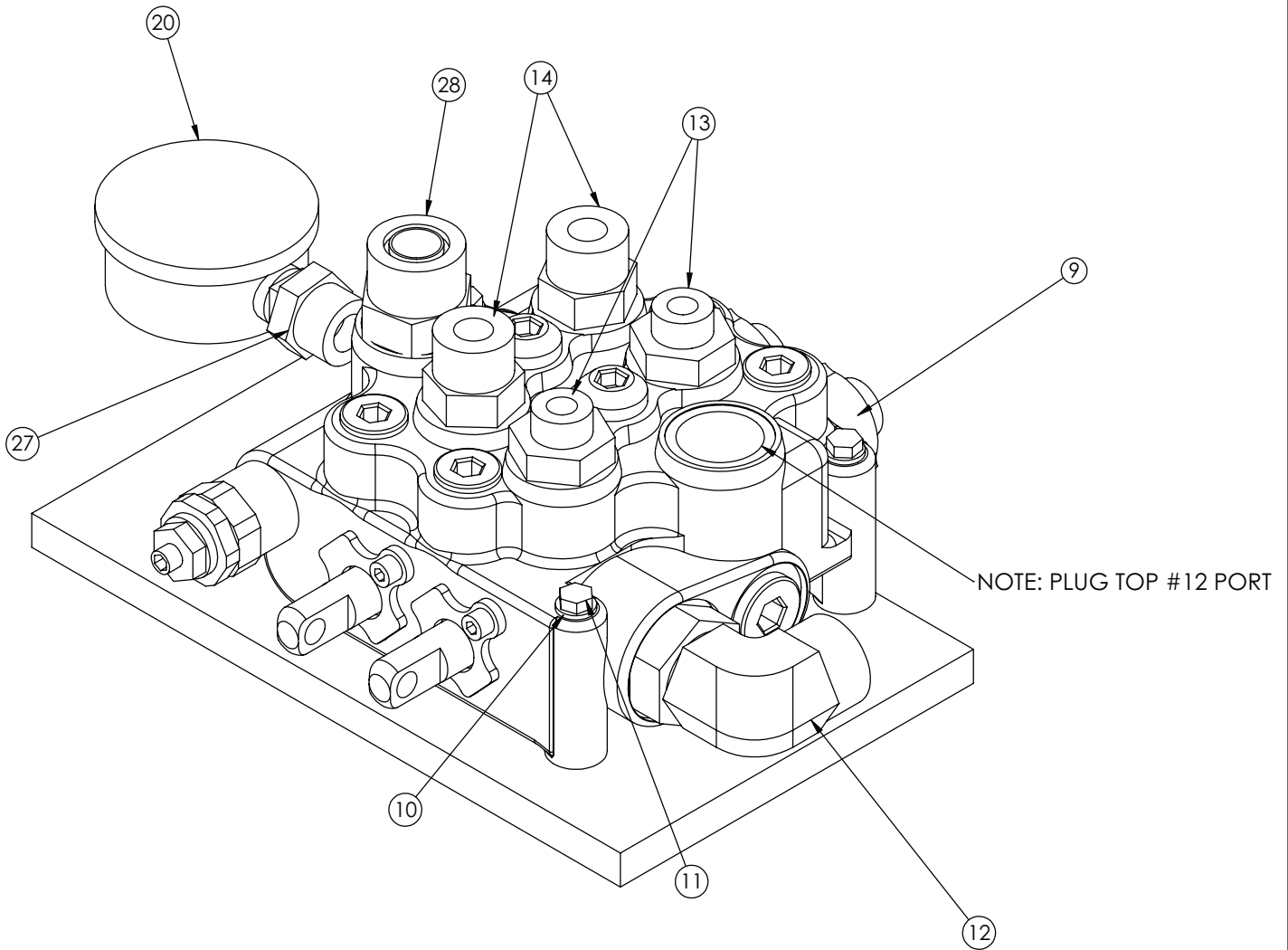
NOTE: REPLACEMENT GASKET UNDER FILTER CAP - PN 109546



### PN 86006

ITEM	PART	DESCRIPTION	QTY
1	C2126	MAGNETIC PLUG DRAIN 3/4"	1
2	15463	THERMO SIGHT GAUGE ZINGA SG-O5-A-T-N	1
3	73278	CAP FILL 1PSI ZINGA THREADED	1
4	13002	DECAL HYD OIL SPECIFICATION MOBIL	1
5	86007	RSRVR 25GAL K MODEL W/ TANK TOP FILTER	1
6	66656	FILTER PIPE TANK TOP	1
7	85928	FILTER TANK TOP 20 FORB	1
8	58396	GASKET RG-11 TANK TOP FILTER	1
9	0335	CAP SCR 0.38-16X1.25 HHGR5	4
10	C6353	WASHER 0.38 SAE FLAT YELLOW GR8	4
11	C4845	PLUG 0.75 NPT SQ HD BLK	1

# Step 6: Install hydraulic reservoir and valve bank continued...



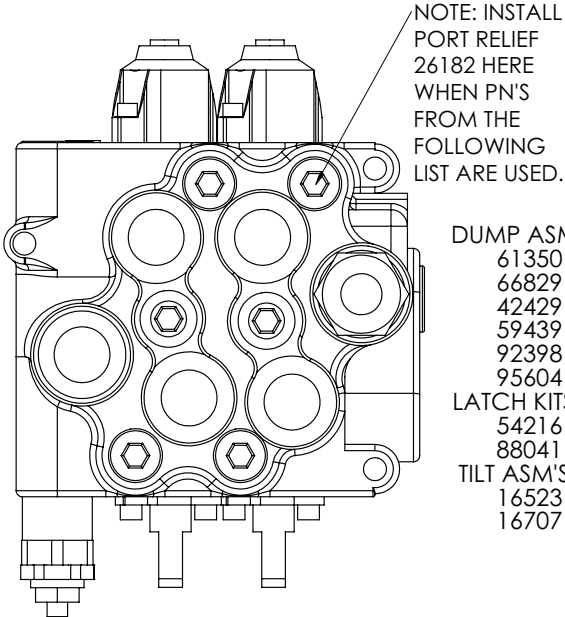
## PN 42426

ITEM	PART	DESCRIPTION	QTY
9	24611	VB 2-SECTION VDM8	1
10	0521	WASHER 0.25 LOCK	3
11	0339	CAP SCR 0.25-20X2.50 HHGR5	3
12	C5968	FTG 12-12 MFS-MAORB 90	1
13	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
14	16152	FTG 10-10 MFS-MORB STRAIGHT	2
20	10094	GAUGE OIL LF 2.5" 0-500 BM	1
27	25630	FTG 10-4 MORB-FP STRAIGHT	1
28	d1435	FTG 12-10 MFS-MORB STRAIGHT	1

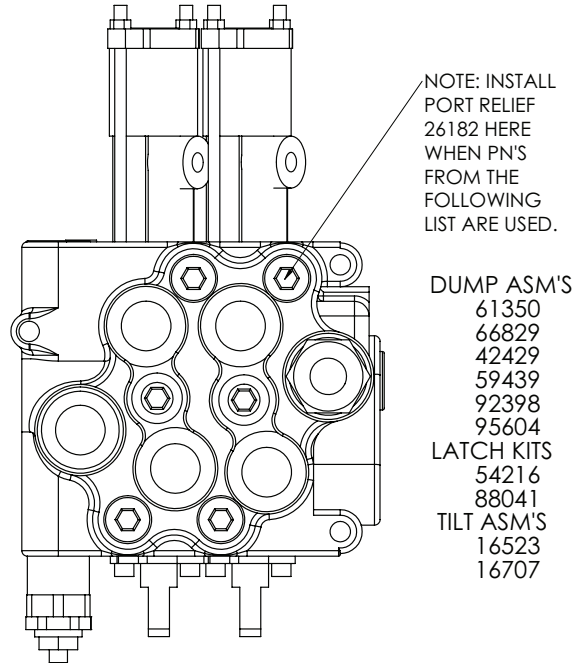
# Step 6: Install hydraulic reservoir and valve bank continued...

## 2 Section Valve Bank

### Cable Controls

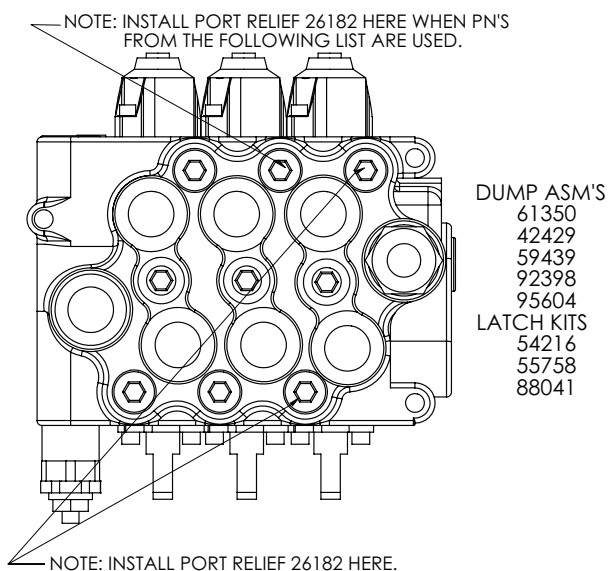


### Air Controls

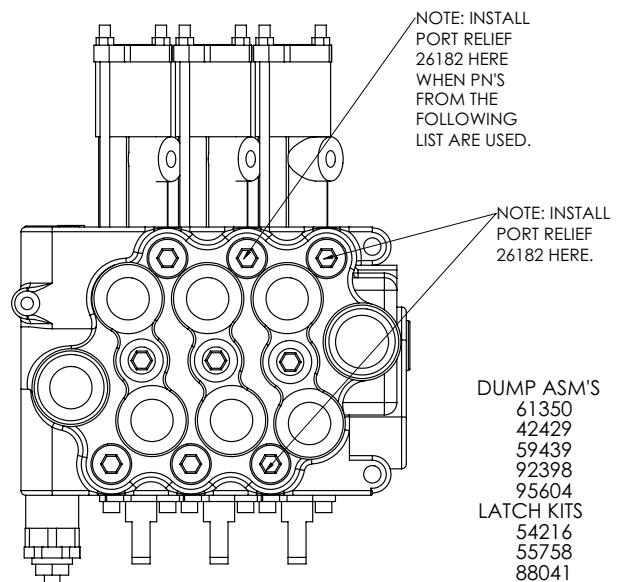


## 3 Section Valve Bank

### Cable Controls



### Air Controls



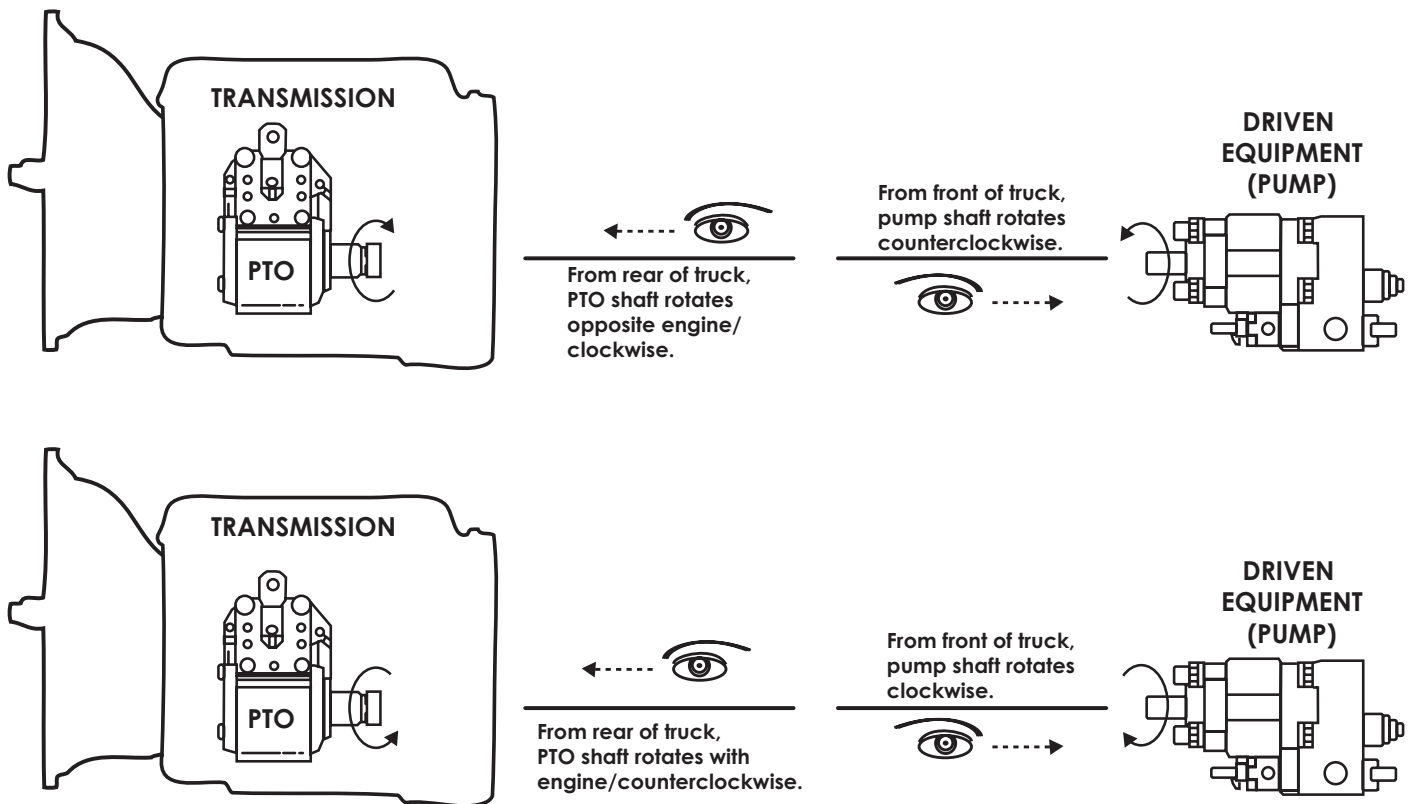
## Step 7: Install PTO and pump.

- Before installing the pump to the PTO, always check the direction of the PTO output shaft to determine which direction the hydraulic pump needs to rotate to operate the equipment. If this is not determined prior to installing the hydraulic pump, the hydraulic pump may rotate in the incorrect direction and damage the front shaft seal.

### PTO Direction of Rotation Tip:

Viewed by standing at the rear of the vehicle, looking forward at the PTO shaft, with the PTO shaft pointing toward the rear of the vehicle:

P.T.O.	Driven Equipment
Rotates Opposite Engine (looks "clockwise")	Driven equipment must rotate counterclockwise (also called left-hand rotation, "A" for anti-clockwise or C.C.W. for counter clockwise).
Rotates With Engine (looks "counterclockwise")	Driven equipment must rotate clockwise (also called right-hand rotation or "C" for clockwise).



*Remember that the PTO is specified by looking from the rear of the truck to the front of the truck. The driven equipment (pump) is specified by looking from the front of the truck to the rear of the truck.*

- Use the brand specific PTO/Pump installation instructions. If the directions are not quite clear, contact Stellar® Customer Service or consult with a hydraulic specialty house or company prior to installation.

# Step 8: Route hydraulic hoses.

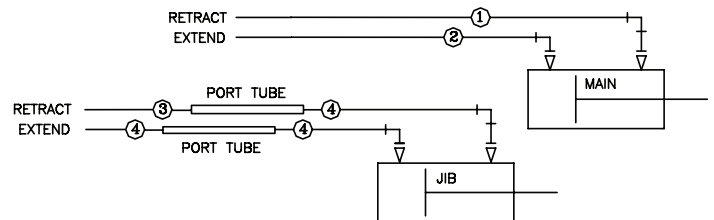
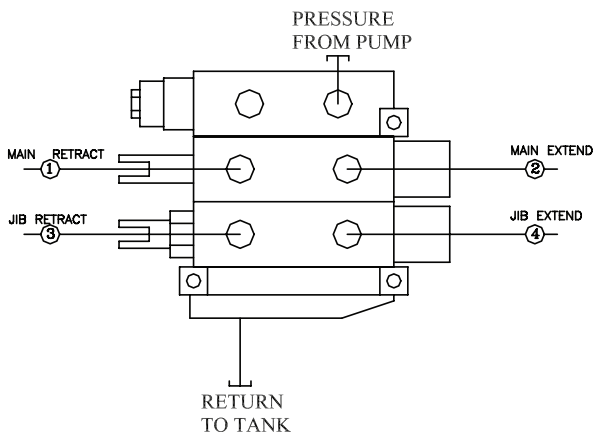
1. Route hose line from the reservoir to the pump (See hose kit drawing for details).
2. Route hose line from the pump to the valve bank (See hose kit drawing for details).
3. Route hose line from the valve bank to the reservoir (See hose kit drawing for details).
4. Route hose line from the valve bank and the hooklift (See hose kit drawing for details).

*Note: If using the Power Beyond feature for additional function, see "Power Beyond VDM8 Valve" later in this chapter for further details.*

## Notes on hose line routing:

- Protect these lines with hose wrap when necessary.
- Keep these lines away from sharp edges.
- Keep these lines away from the exhaust or other temperature extreme items.
- Keep these lines away from the driveshaft or other moving items.

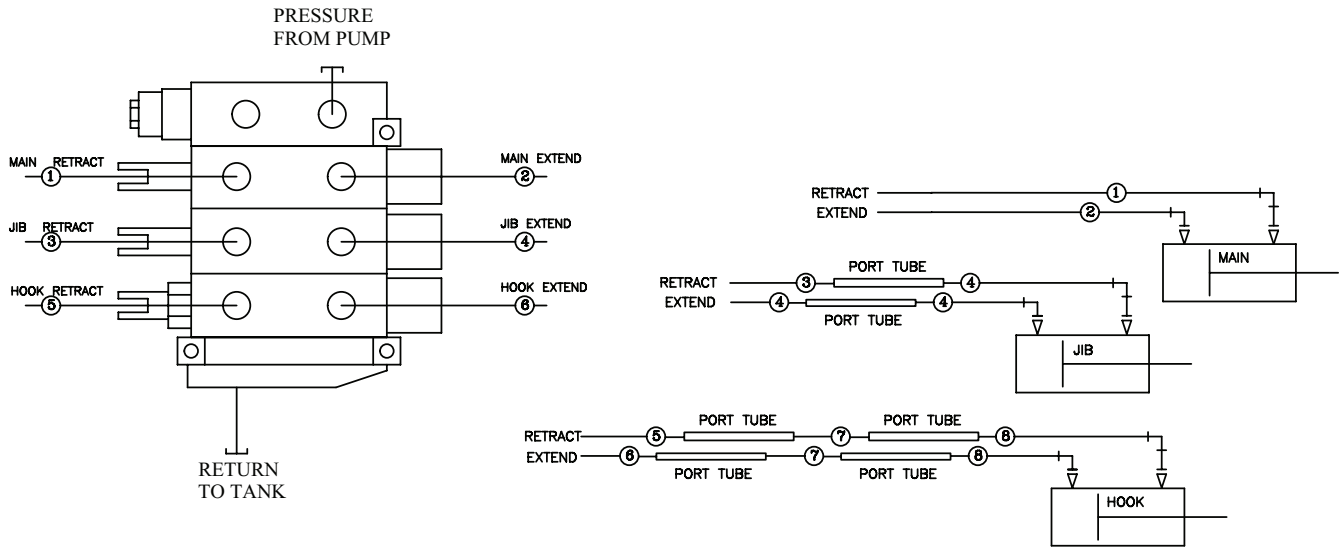
## Hose Kit - PN 59880 (Fixed Hook Height Models)



### PN 59880

<p>STELLAR #41125- 0.63(351TC-JC-J9-10-10-10-96") QTY - 1</p> <p>FUNCTION: VALVE BANK (MAIN RETRACT) TO MAIN CYL.</p>	<p>STELLAR #41124- 0.63(351TC-JC-J1-10-10-10-96") QTY - 1</p> <p>FUNCTION: VALVE BANK (MAIN EXTEND) TO MAIN CYL.</p>	<p>STELLAR #59882- 0.50(471TC-J9-J0-8-8-8-96") QTY - 1</p> <p>FUNCTION: VALVE BANK (JIB RETRACT) TO PORT TUBE</p>
<p>STELLAR #59915- 0.50(471TC-J1-J0-8-8-8-110") QTY - 3</p> <p>FUNCTION: VALVE BANK (JIB EXTEND) TO PORT TUBE</p>	<p>STELLAR #59883- 0.25(471TC-J1-J0-6-4-4-95") QTY - 1</p> <p>FUNCTION: VALVE BANK (HOOK RETRACT) TO PORT TUBE</p>	<p>STELLAR #59884- 0.25(471TC-J9-J0-6-4-4-95") QTY - 1</p> <p>FUNCTION: VALVE BANK (HOOK EXTEND) TO PORT TUBE</p>

# Hose Kit - PN 84956 (Adjustable Hook Height Models)



08	84950	HOSE 0.25(3000PSI)-4FFSS SHORT-4MFS-86CL	2
07	84618	HOSE 0.25(3000PSI)-4MFS-4MFS-110CL	2
06	84947	HOSE 0.25(3000PSI)-6FFSS 90 SHORT-4MFS-95CL	1
05	84948	HOSE 0.25(3000PSI)-6FFSS 90 LONG-4MFS-95CL	1
04	59915	HOSE 0.50(4500PSI)-8FFSS 90 LONG-8MFS-110CL	3
03	59882	HOSE 0.50(4500PSI)-8FFSS 90 SHORT-8MFS-96CL	1
02	41124	HOSE 0.63(4500PSI)-10FFSS-10FFSS 90 LONG-96CL	1
01	41125	HOSE 0.63(4500PSI)-10FFSS-10FFSS 90 SHORT-96CL	1
ITEM	PART No.	DESCRIPTION	QTY

NOTE: SYSTEM PRESSURE IS 4500 P.S.I.

<p>STELLAR #41124 -0.63(4500PSI)-10FFSS-10FFSS 90 LONG-96CL QTY - 1</p> <p>FUNCTION: VALVE BANK (MAIN EXTEND) TO MAIN CYL.</p>	<p>STELLAR #41125 -0.63(4500PSI)-10FFSS-10FFSS 90 SHORT-96CL QTY - 1</p> <p>FUNCTION: VALVE BANK (MAIN RETRACT) TO MAIN CYL.</p>	<p>STELLAR #59882-0.50(4500PSI)-8FFSS 90 SHORT-8MFS-96CL QTY - 1</p> <p>FUNCTION: VALVE BANK (JIB RETRACT) TO PORT TUBE</p>
<p>STELLAR #59915- 0.50(4500PSI)-8FFSS 90 LONG-8MFS-110CL QTY - 3</p> <p>FUNCTION: VALVE BANK (JIB EXTEND) TO PORT TUBE X 1 FUNCTION: PORT TUBE TO JIB CYL. X 2</p>	<p>STELLAR #84948- 0.25(3000PSI)-6FFSS 90 LONG-4MFS-95CL QTY - 1</p> <p>FUNCTION: VALVE BANK (HOOK RETRACT) TO PORT TUBE</p>	<p>STELLAR #84947-0.25(3000PSI)-6FFSS 90 SHORT-4MFS-95CL QTY - 1</p> <p>FUNCTION: VALVE BANK (HOOK EXTEND) TO PORT TUBE</p>
<p>STELLAR #84618- 0.25(3000PSI)-4MFS-4MFS-110CL QTY - 2</p> <p>FUNCTION: HOOK HEIGHT PORT TUBE TO PORT TUBE</p>	<p>STELLAR #84950- 0.25(3000PSI)-4FFSS SHORT-4MFS-86CL QTY - 2</p> <p>FUNCTION: HOOK HEIGHT CYLINDER TO PORT TUBE (EXT. AND RET.)</p>	

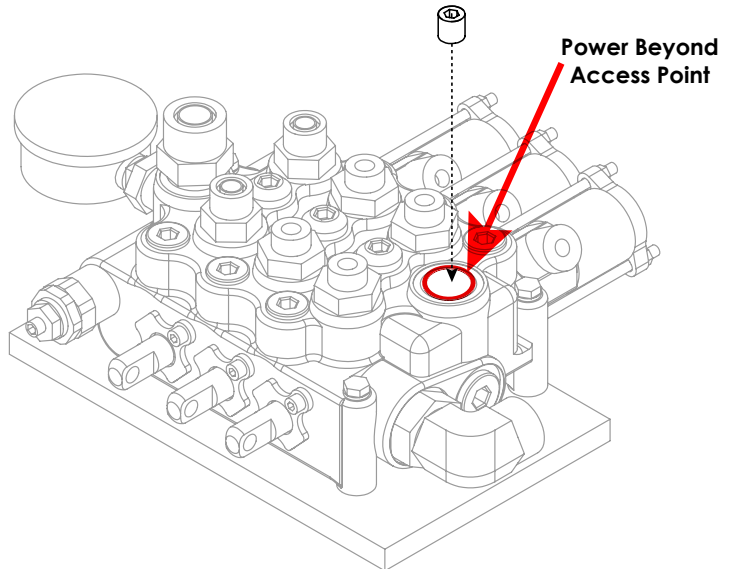


## Power Beyond VDM8 Valve

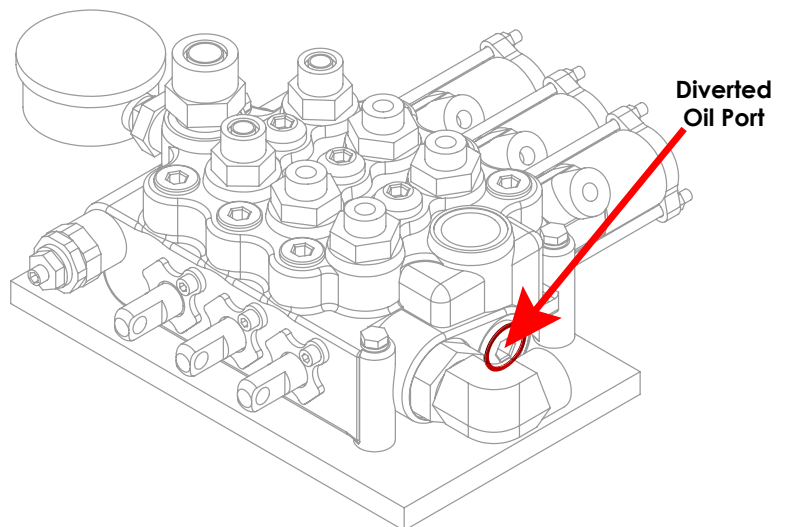
These instructions are intended for correct installation of power beyond on a Salami VDM8 valve bank. If any hydraulic component is integrated after this valve the power beyond must be installed correctly, or serious damage may incur to the hydraulic system.

Kit No: 122069  
Contains both 3/8" & 1/2" plugs.

1. Remove cover / access plug to reveal the power beyond access point. Can also be used as the Return / Tank port.
2. Install one (either 1/2" or 3/8") plug from kit number:122069 into lower portion of cavity to activate the power beyond feature. Use thread sealer. (Tape sealers not recommended.)



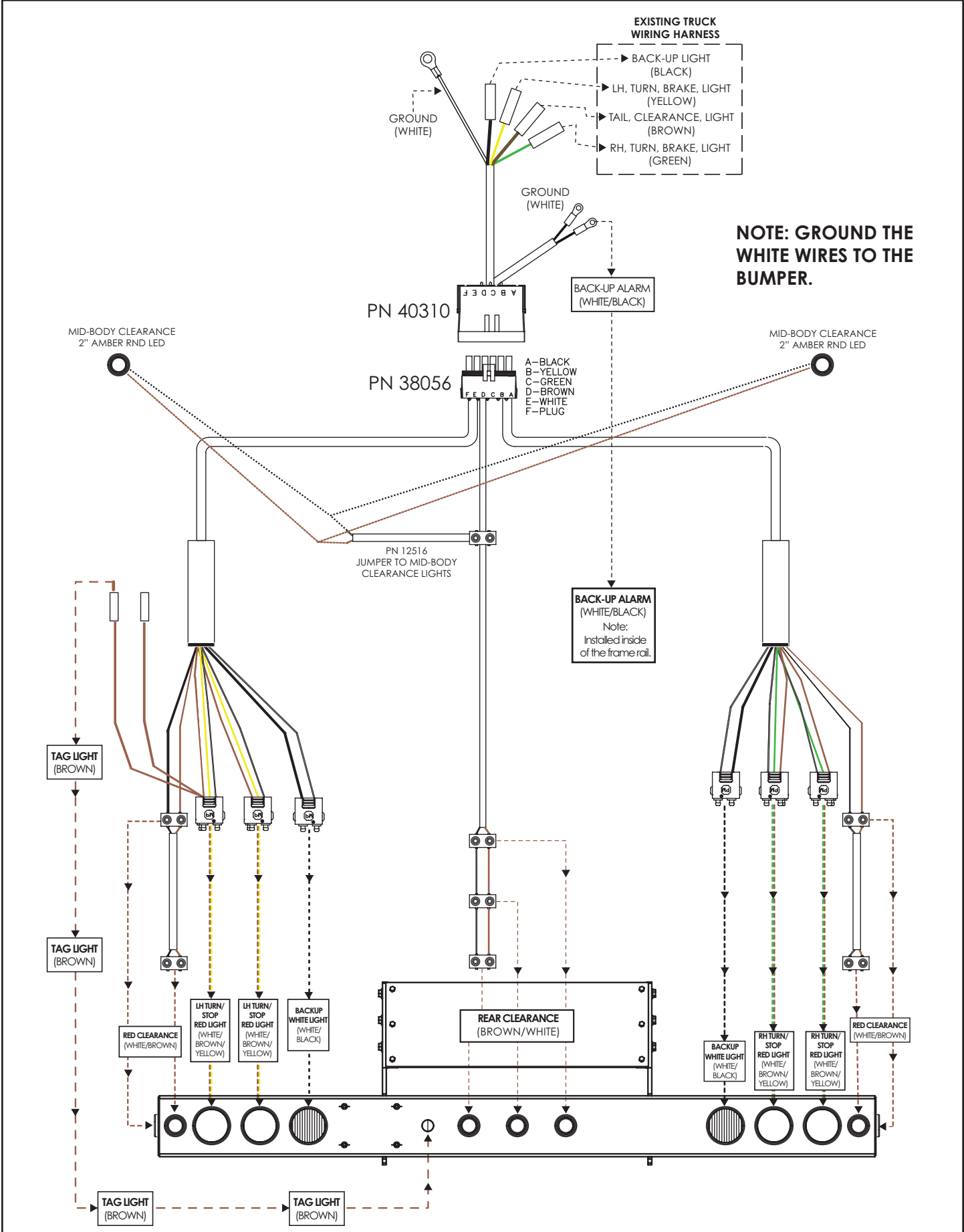
3. The Power Beyond feature is now activated and will divert oil to alternate system via the port shown.



### NOTES:

- THE RETURN / TANK LINE MUST BE CONNECTED TO THE TOP OR THE SIDE PORT, LABELED "T".
- USING THE RETURN LINE TO RUN AUXILIARY EQUIPMENT WILL DIRECTLY RESULT IN A FAILURE, AND WILL NOT IN ANY CIRCUMSTANCE, BE COVERED UNDER WARRANTY.
- A STANDARD STELLAR® HOOKLIFT WILL HAVE 6 HYDRAULIC LINES ATTACHED TO THE VALVE. WITH POWER BEYOND ACTIVATED, THEY WILL HAVE 7 HYDRAULIC LINES ATTACHED TO THE VALVE.

# Step 9: Route Electrical Components

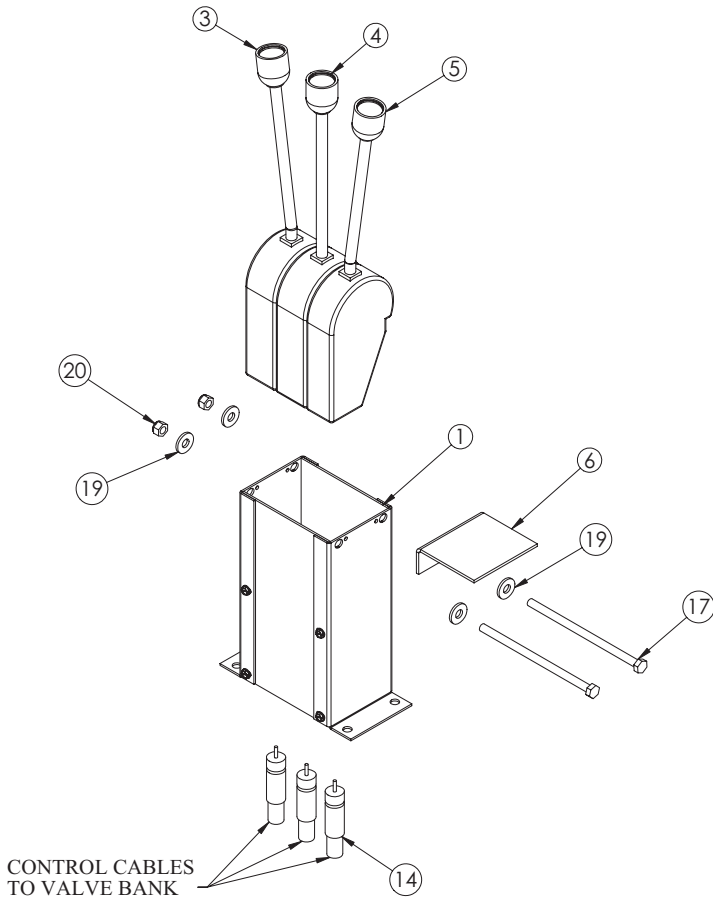


# Step 10: Install cab and PTO controls.

- Use PTO brand specific installation instructions.
- For cab controls, see controller assembly drawings for details:

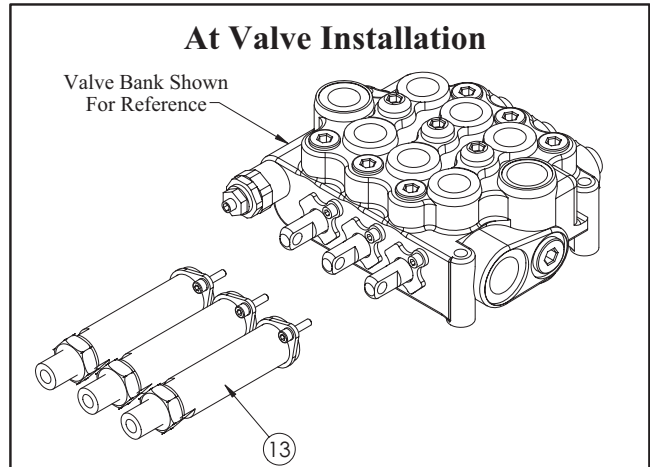
## Cable Controls

### In Cab Installation



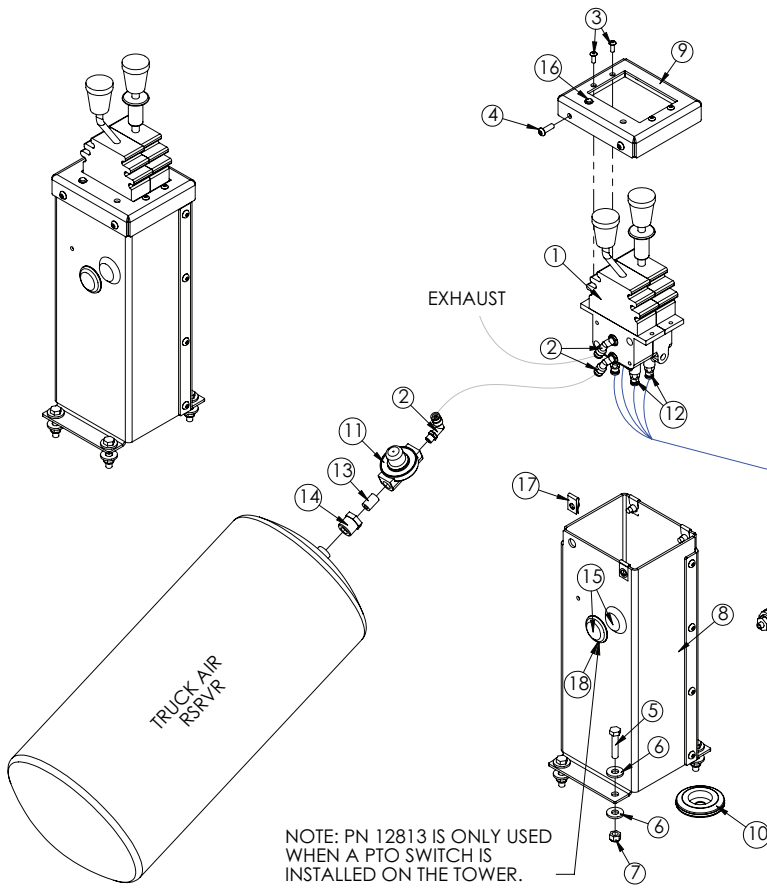
	2 SECTION	3 SECTION
<b>96 INCH</b>	PN 55534	PN 54746
<b>144 INCH</b>	PN 55540	PN 54747
<b>192 INCH</b>	PN 55541	PN 54748

### At Valve Installation



ITEM	PART	DESCRIPTION	QTY.
1	38351	VALVE CTRL CONSOLE 3LEVER RVC (3 Section Only)	1
1	37470	VALVE CTRL CONSOLE 2LEVER RVC (2 Section Only)	1
3	37475	CONTROLLER CTR LOCK LEFT BEND	1
4	37476	CONTROLLER CTR LOCK NO BEND (3 Section Only)	1
5	37474	CONTROLLER CTR LOCK RIGHT BEND	1
6	25933	BRKT CONTROLLER DECAL	1
13	37469	CABLE CONN. KIT FOR VD8A/VDM8	2/3
14	37471	CONTROL CABLE 96 IN WESCON	2/3
14	37472	CONTROL CABLE 144 IN WESCON	2/3
14	37473	CONTROL CABLE 192 IN WESCON	2/3
17	20057	CAP SCR 0.31-18X6.50 HHGR5 (3 Section Only)	2
17	0491	CAP SCR 0.31-18X4.00 HHGR5 (2 Section Only)	2
19	0343	WASHER 0.31 USS FLAT ZINC	4
20	0342	NUT 0.31-18 HHGR5 NYLOC	2

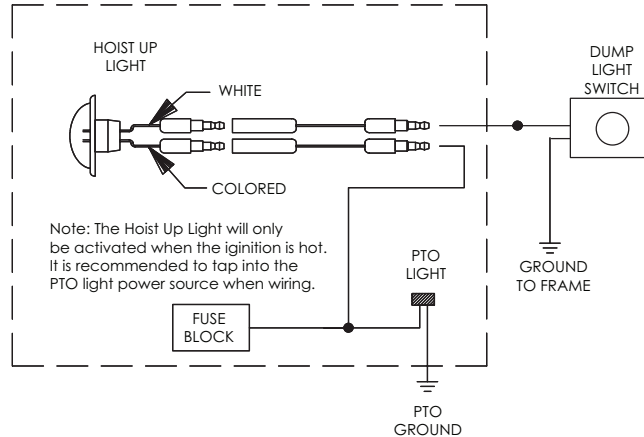
# Air Controls



ITEM	PART	DESCRIPTION	QTY.
1	41988	CTRL 2 BANK 4WAY AIR CNTR LOCK	1
2	45687	FTG 4-2 MP-PTC 90 BRASS 1.169X4S	7
3	D1711	CAP SCR #10-24X0.50 BTNHD SS	4
4	C6021	CAP SCR 0.25-20X0.75 BTNHD SS	4
5	0486	CAP SCR 0.31-18X1.50 HHGR5	4
6	0343	WASHER 0.31 USS FLAT	8
7	0342	NUT 0.31-18 HHGR5 NYLOC	4
8	87691	CONTROL TOWER SUB-ASM 2-SECT HOOKLIFT	1
9	87688	LID CONTROL TOWER 2-SECT HOOKLIFT	1
10	16948	GROMMET 2.50ODX0.125X0.25ID	1
11	35211	PTO AIR REGULATOR 378414	1
12	45333	FTG 4-2 PC DOT-MP STRAIGHT	4
13	C5934	FTG 4-4XCLOSE MP-MP NIPPLE STRAIGHT BLK	1
14	C1065	BUSHING 0.50X0.25 BLK	1
15	86116	PLUG PLASTIC 1.13 HOLE BLK	2
16	61233	LIGHT LED CONTROL PANEL RED	1
17	67296	NUT CLIP ON .25X.025-.15X.53	4
18	12813	GROMMET 1.25ODX0.125X0.625ID	1

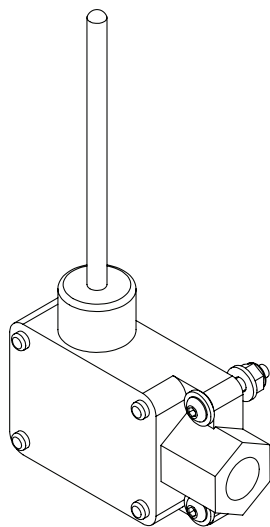
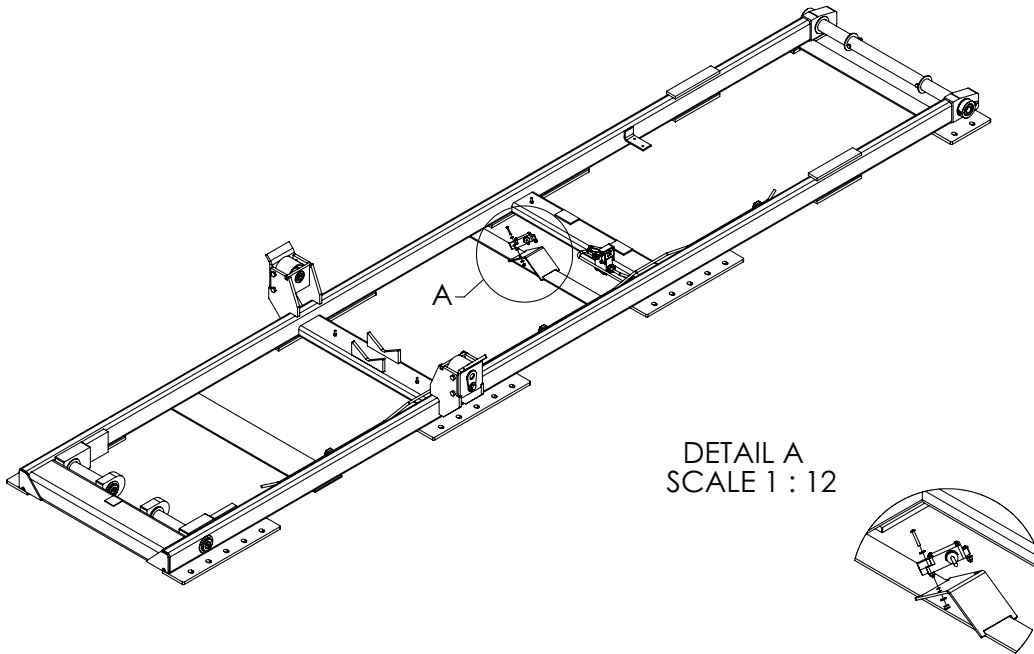
**PARTS NOT SHOWN:**  
 88658 - DECAL CONTROL TOWER LID SLIDER 2SEC X 1  
 D1810 - TBE AIR SAEJ844 TYPE A .25 (RM) X 60FT  
 19349 - WIRE 16GA (RM) BLUE SAE J-1128 X 15FT  
 3878 - WIRE 18GA (RM) RED (PRIMARY) SAE J-1128 X 15FT  
 C0073 - TERML BUTT 16-14GA HS BLUE X 2  
 88324 - ELEC SCHEM CONTROL TOWER

## TRUCK CAB



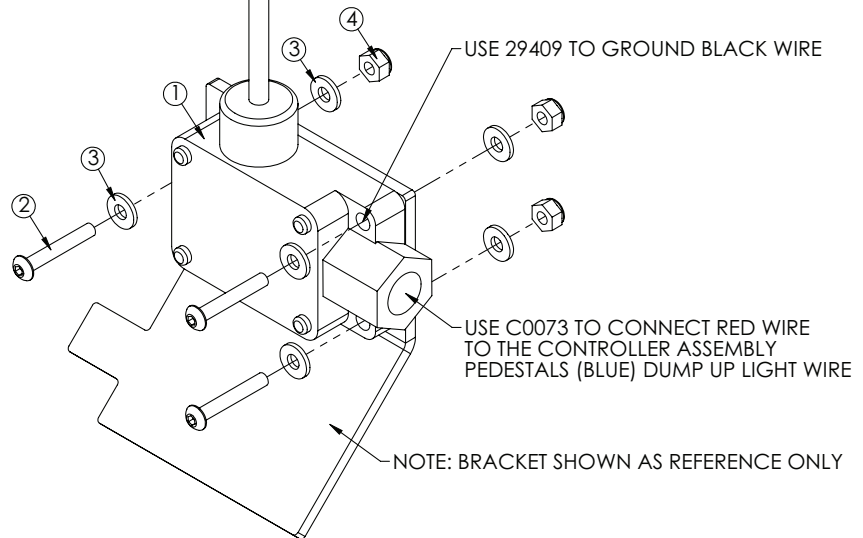
# Step 11: Install Hoist Up Light Sensor - PN 83115

Install the hoist up light sensor onto the base of the hooklift as shown:



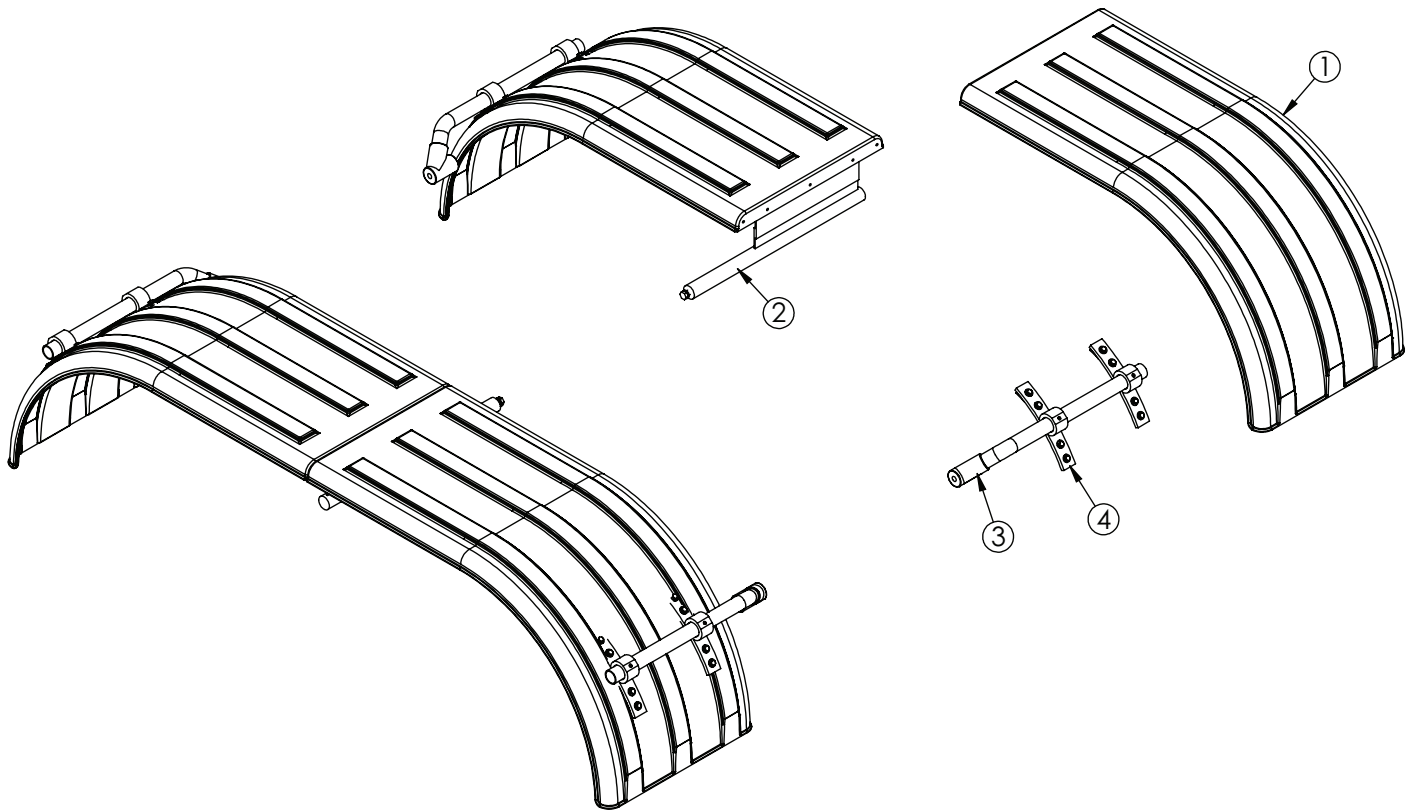
ITEM	PART	DESCRIPTION	QTY.
1	45907	SWITCH REMOTE KP60	1
2	30472	CAP SCR #10-24X1.25 BTNHD SS	3
3	D0178	WASHER #10 SAE FLAT	6
4	26034	NUT #10-24 HH NYLOC	3

ITEMS NOT SHOWN:  
C0073 - TERML 16-14 BLUE BUTT WATER TIGHT X 1  
29409 - TERML 12-10X.31 RING X 1



# Step 12: Install mud flaps and fenders.

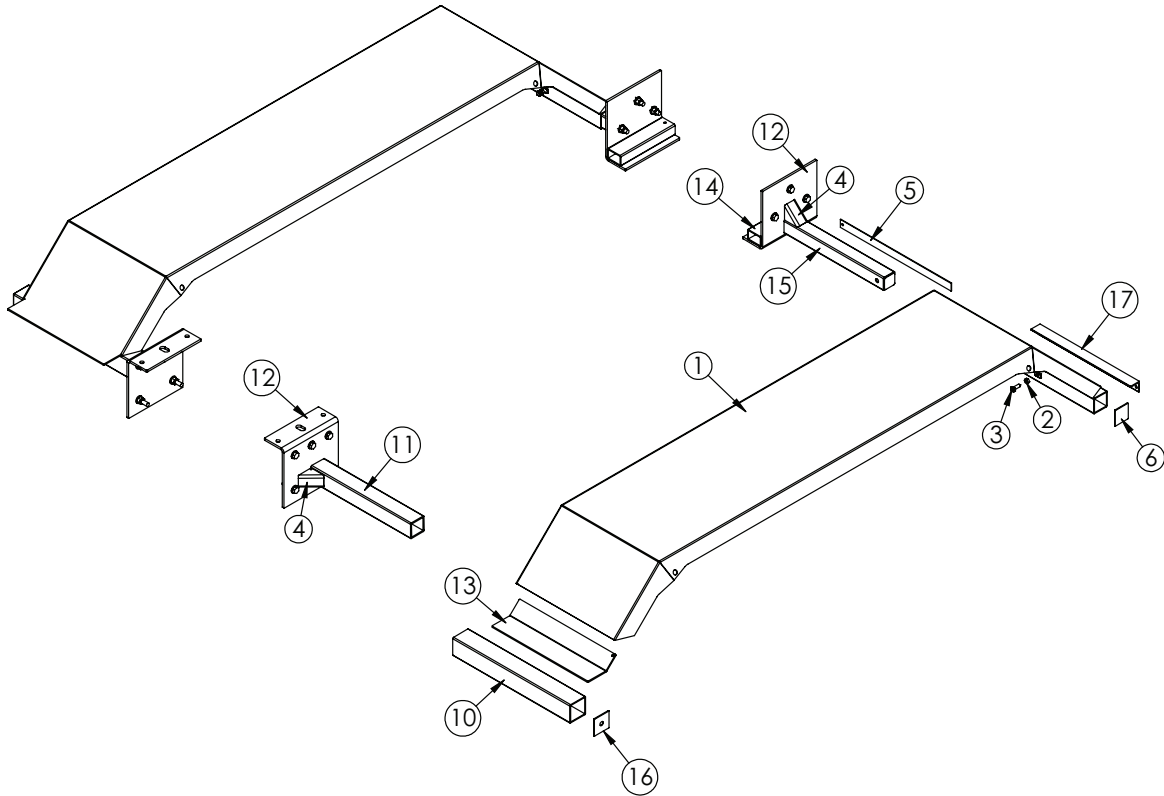
## Poly Tandem Fender Assembly - PN 58217



### PN 58217

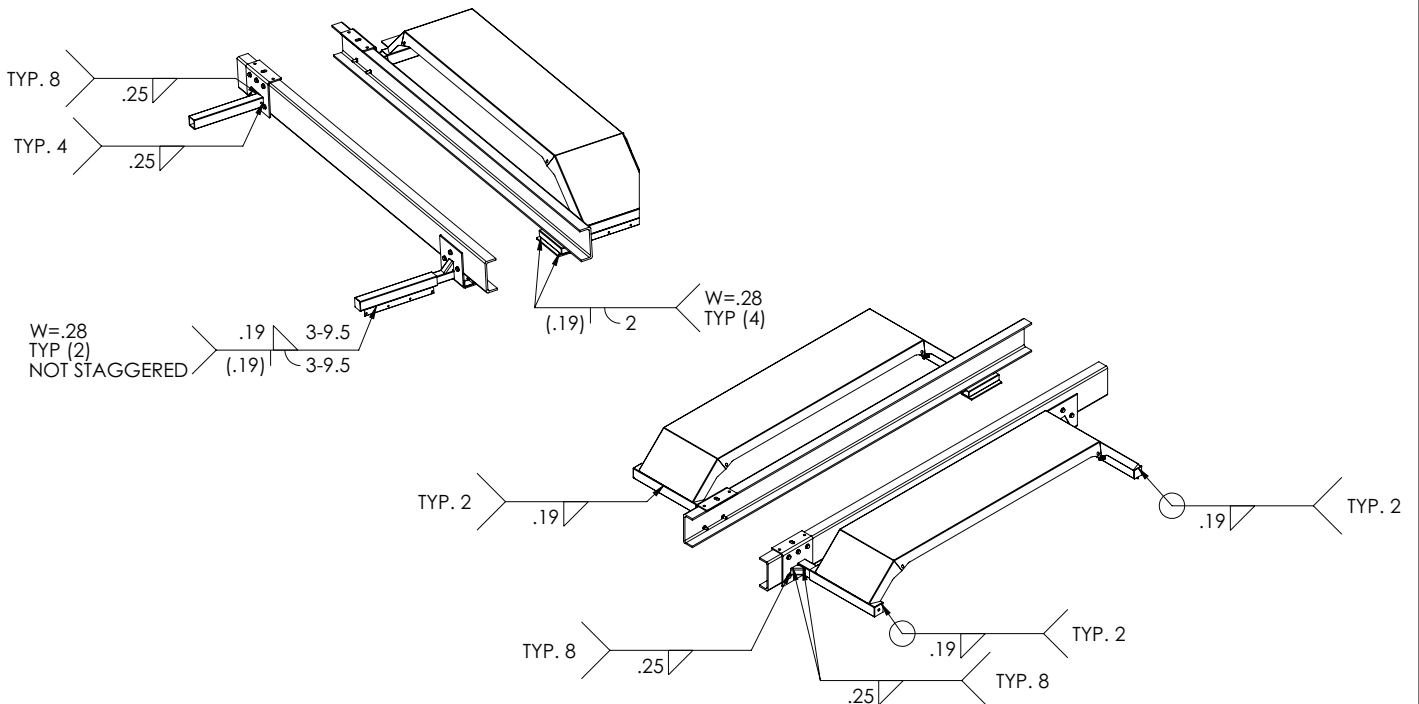
ITEM	PART No.	DESCRIPTION	QTY.
1	64060	FENDER POLY MIN 900 FRONT/REAR	4
2	102205	MNT KIT FENDER MID SUPPORT TANDEM POLY	1
3	5733	MTG KIT OFFSET POLY FENDER (FLEET)	2
4	7633	FENDER MOUNT ASM KIT	2

# Steel Tandem Fender Assembly - PN 100617

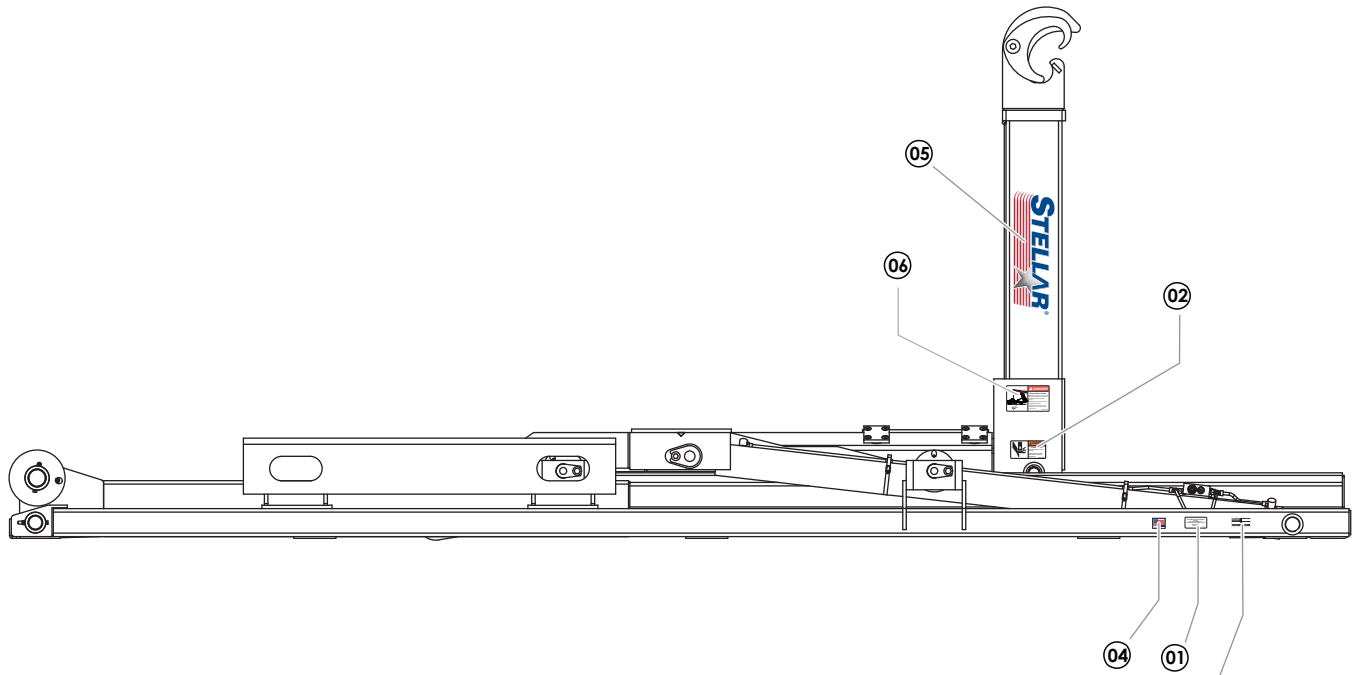


## PN 100617

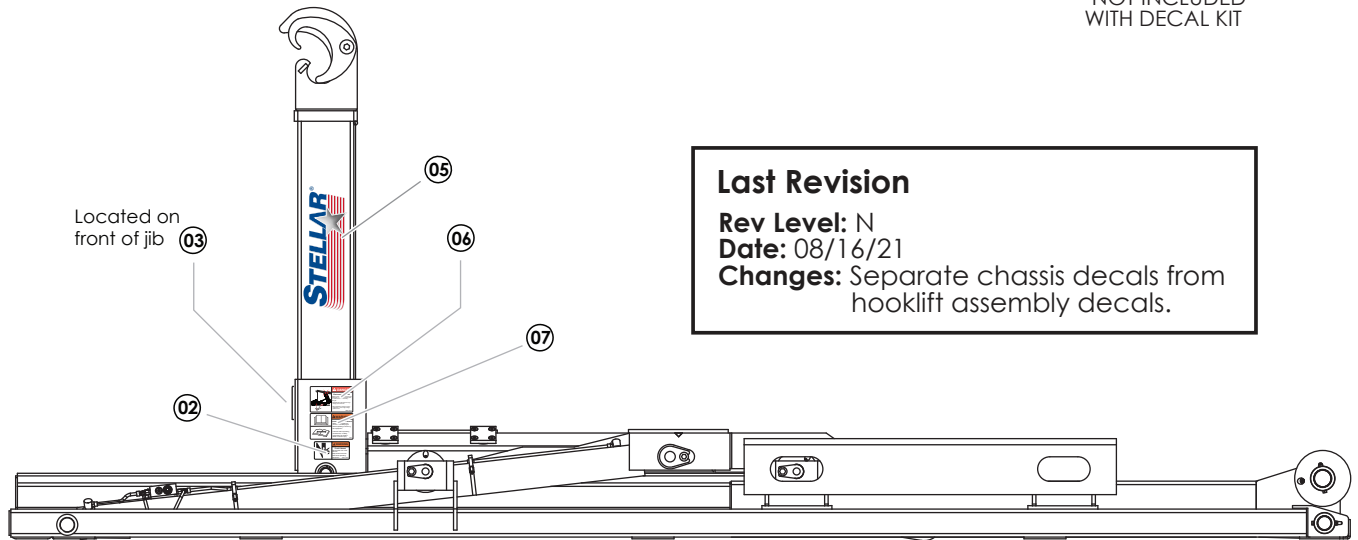
ITEM	PART No.	DESCRIPTION	QTY.	ITEM	PART No.	DESCRIPTION	QTY.
1	46121	FENDER WLDMT STEEL TANDEM KP60	2	10	46119	WLDMT TUBE FRONT FENDER PC BLACK	2
2	0537	NUT 0.50-13 HH	4	11	46117	TUBE FRONT FENDER SUPPORT PC BLACK	2
3	46590	CAP SCR 0.50X1.50 SQ HD CP SS	4	12	46906	BRKT GANTRY MNT PC BLACK	4
4	47209	BRKT FENDER KP60	4	13	97704	BRKT FENDER MNT FRONT SI60/75 TANDEM STEEL	2
5	47210	FLAT 0.13X1.50X24.50 HR W/HOLE	2	14	100828	TUBE 3.00X2.00X0.19WX12.00 W/HOLE	2
6	47211	CAP .10X3.00X2.88 FENDER SI60	2	15	101886	WLDMT TUBE 2.50X2.50X0.19WX22.00	2
7	C1026	CAP SCR 0.63-11X2.50 HHGR8	16	16	101888	CAP .10X3.25X3.25 FENDER SI60	2
8	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	32	17	45688	MOUNT MUD FLAP KP60	2
9	24868	NUT 0.63-11 HHGR8 NYLOC	16				



# Step 13A: Apply Hooklift Assembly Decals



SERIAL PLATE (C5942)  
NOT INCLUDED  
WITH DECAL KIT



Located on  
front of jib

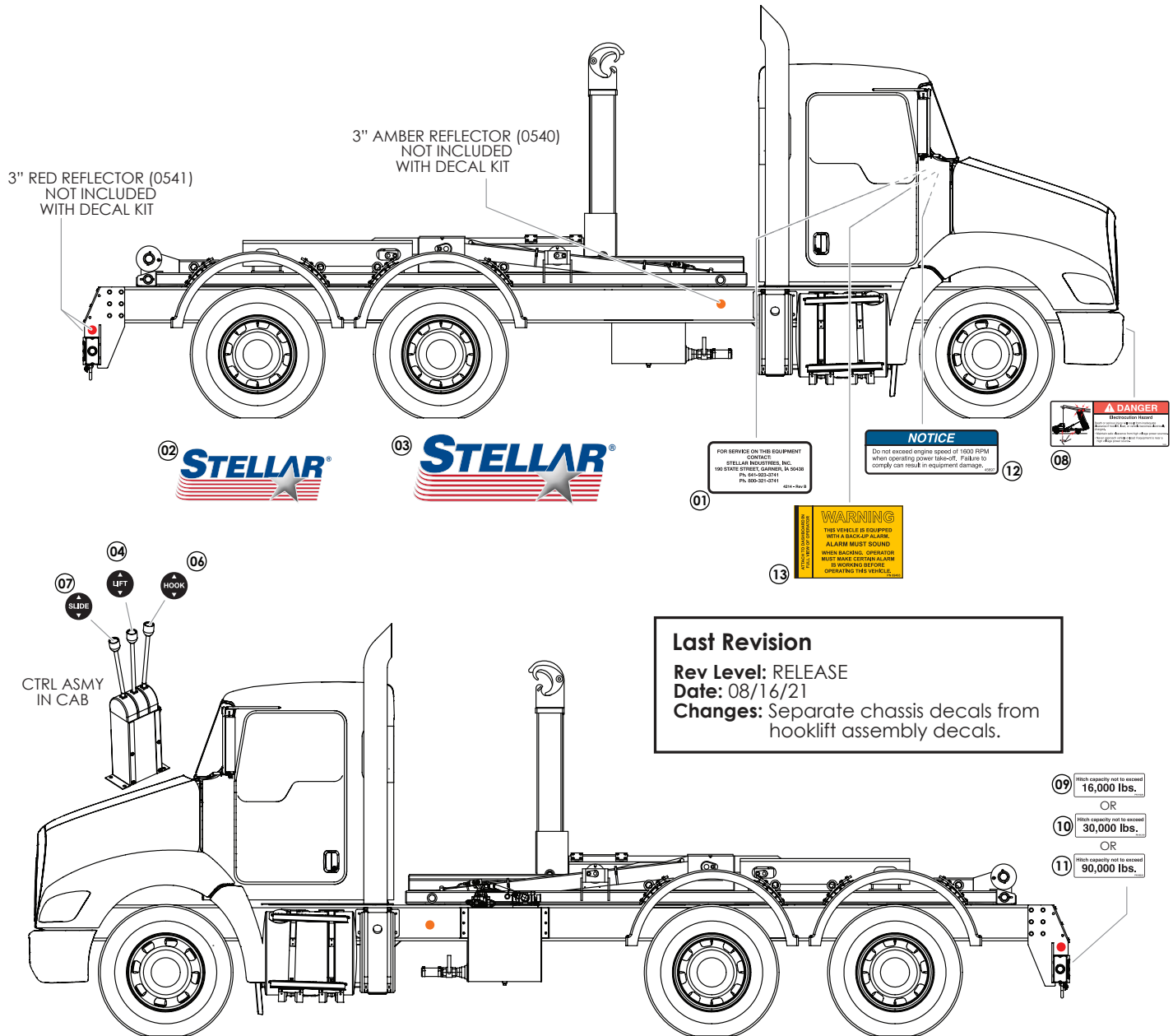
**Last Revision**  
**Rev Level:** N  
**Date:** 08/16/21  
**Changes:** Separate chassis decals from hooklift assembly decals.

## PN 31827

ITEM	PART No.	DESCRIPTION	QTY.
01	4214	DECAL CONTACT STELLAR	1
02	25627	DECAL WARNING CRUSH	2
03	45955	DECAL WARNING HOOK HEIGHT MATCH	1
04	35234	DECAL STELLAR MADE IN THE USA	1
05	52681	DECAL STELLAR LOGO 6.00X16.50	2
06	55832	DECAL DANGER ELECTROCUTION HOOK	2
07	68024	DECAL WARNING UNTRAINED OPERATOR	1



# Step 13B: Apply Chassis Decals



## PN 121012

ITEM	PART No.	DESCRIPTION	SUGGESTED LOCATION	QTY.
01	4214	DECAL CONTACT STELLAR	IN CAB	1
02	53850	DECAL STELLAR LOGO 4.00X11.50	SHIPPED LOOSE - OPTIMAL PLACEMENT	1
03	52681	DECAL STELLAR LOGO 6.00X16.50	SHIPPED LOOSE - OPTIMAL PLACEMENT	1
04	39211	DECAL HOOKLIFT LEVER LIFT	CONTROL TOWER	2
05	39212	DECAL HOOKLIFT LEVER TILT	CONTROL TOWER	2
06	55414	DECAL HOOKLIFT LEVER HOOK	CONTROL TOWER	2
07	55754	DECAL HOOKLIFT LEVER SLIDE	CONTROL TOWER	2
08	79983	DECAL DANGER ELECTROCUTION	FRONT BUMPER - STREET SIDE OR REAR BUMPER - CURB SIDE	1
09	91220	DECAL HITCH CAPACITY 16K	] SELECT APPROPRIATE CAPACITY; REAR BUMPER - ABOVE PINTLE LOCATION; DISCARD OTHERS [	1
10	91219	DECAL HITCH CAPACITY 30K		1
11	68222	DECAL HITCH CAPACITY 90K		1
12	45697	ENGINE SPEED PTO CAUTION	IN CAB	1
13	69463	DECAL BACK-UP ALARM VERIFY	IN CAB	1

## Step 14: Fill reservoir and activate hydraulic flow.

- Fill reservoir to site gauge, within 3" from the top (Roughly 25 Gallons). Note: ISO 32 hydraulic oil is recommended.
- When connections are secure, activate hydraulic flow by opening the ball valve on the bottom of the reservoir. This will allow oil to flow from the reservoir to the pump.

## Step 15: Operate hooklift.

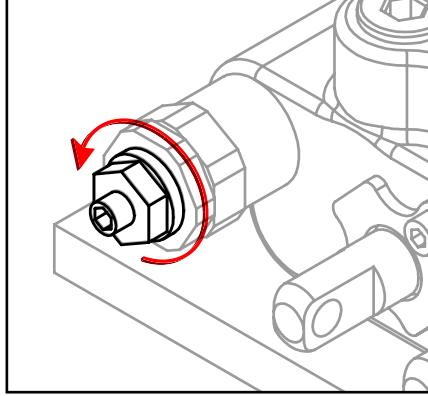
- **⚠ WARNING** Stellar® Hooklift operators must conform to the qualifications specified in the *Slider Hooklift Safety, Operation, Maintenance, Troubleshooting Manual*. Read and understand all manuals and safety signs before operating or servicing this equipment.
- Bleed the air out of the hydraulic system.
- Check the hydraulic oil level and add oil if needed. When checking hydraulic oil level, make certain that **all system cylinders** are fully retracted.
- Calibrate dump light system.
- Be sure to check all clearances.
- Set/check relief pressure no higher than 4,500 PSI (See procedure on next page).

## Set System Relief Pressure

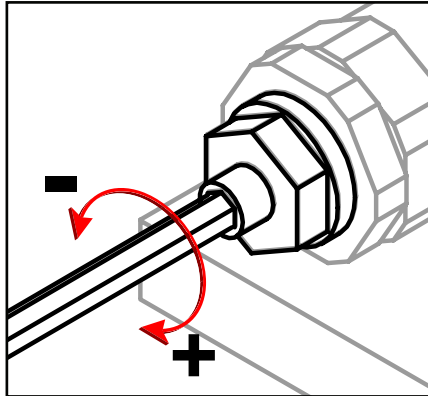
1. Engage the PTO. Run the PTO at 1200 RPM.

2. Push the control lever labeled 'lift' until the boom bottoms out. Keep pushing the lever forward until the pressure is set.

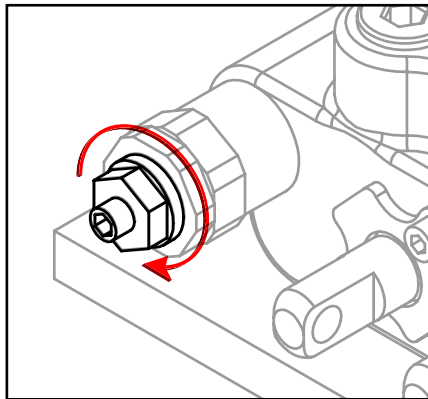
3. Locate the main relief valve and release the jam nut using a 13 mm wrench:



4. Adjust the system relief pressure using 4 mm allen wrench. Clockwise increases pressure, counter clockwise decreases pressure:



5. Once system pressure is set, tighten the jam nut to lock system pressure. Permanent thread lock should not be used:

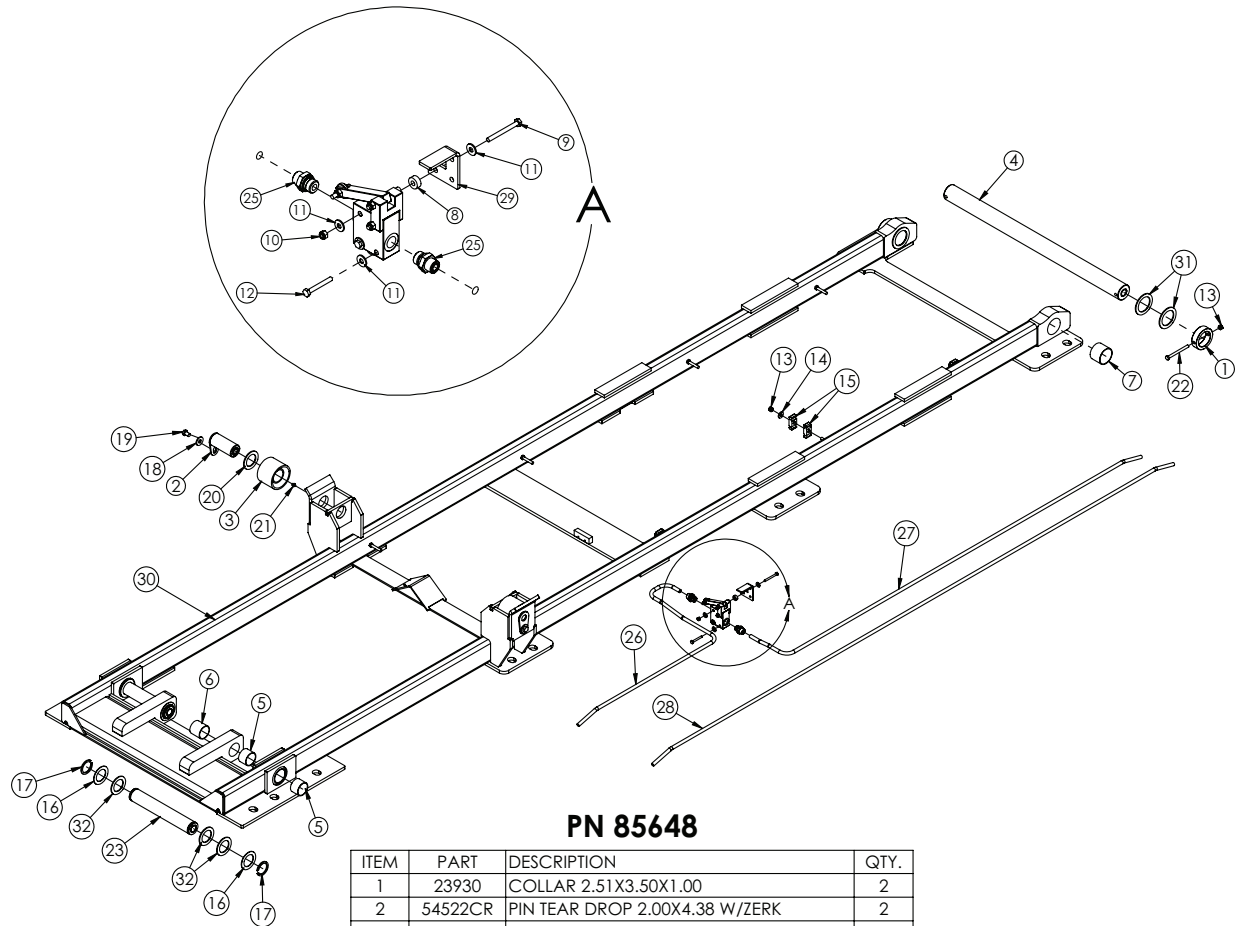


6. Release all functions and disengage the PTO. Snap tamper cap into position over the jam nut. The break away clip will be destroyed if the cap is removed.

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# Chapter 3 - Assembly Drawings

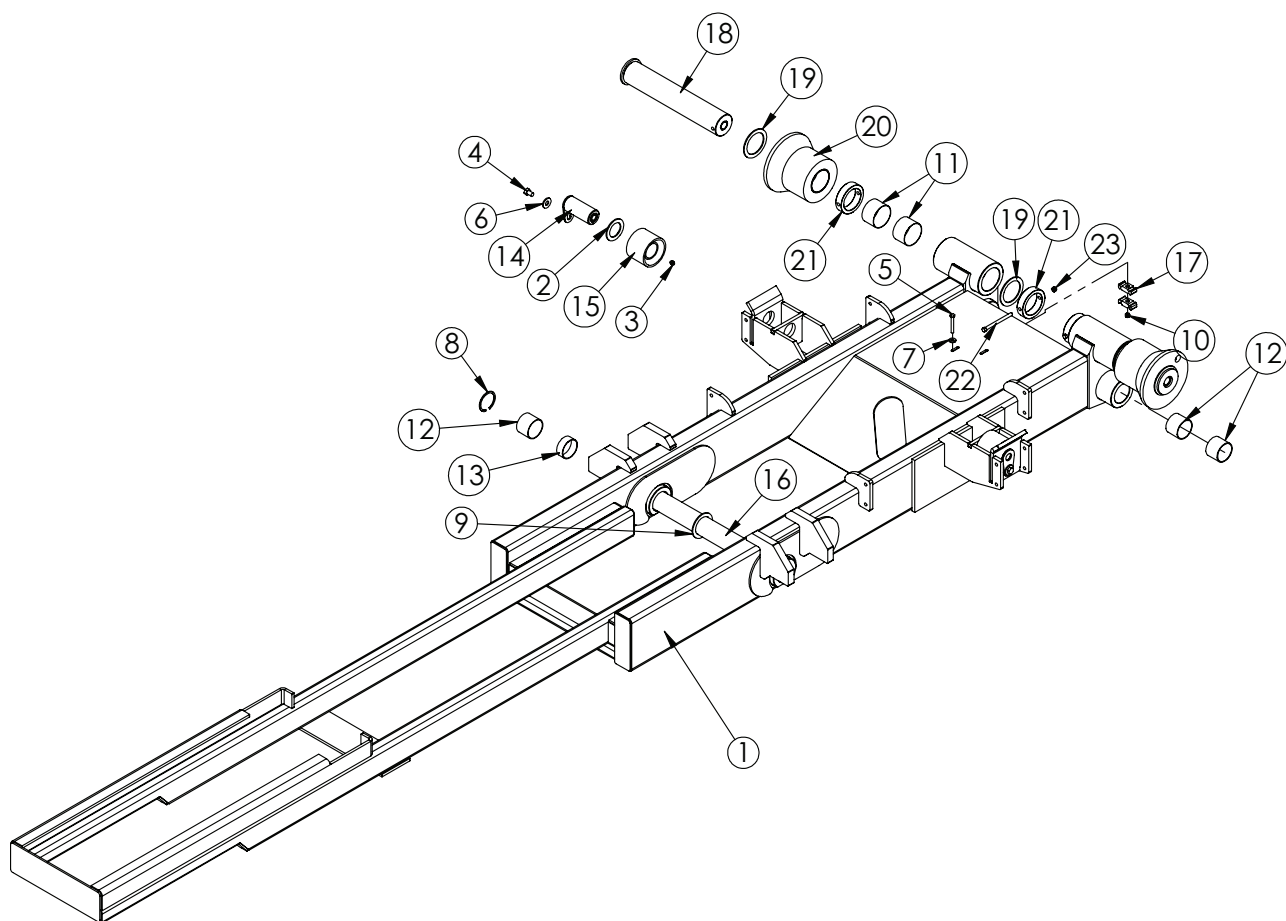
## Base Assembly - PN 85648



### PN 85648

ITEM	PART	DESCRIPTION	QTY.
1	23930	COLLAR 2.51X3.50X1.00	2
2	54522CR	PIN TEAR DROP 2.00X4.38 W/ZERK	2
3	45373	ROLLER 2.00X4.00X3.00 OUTSIDE S160	2
4	85689CR	PIN 2.50X37.06	1
5	4380	BUSHING 32DXR24 2.00X1.50 GARLOCK	4
6	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	2
7	0635	BUSHING 40DXR32 GARLOCK	2
8	60348	COLLAR 0.31X0.75X0.31 UHMW	1
9	0339	CAP SCR 0.25-20X2.50 HHGR5	1
10	0333	NUT 0.25-20 HHGR5 NYLOC	1
11	0340	WASHER 0.25 USS FLAT	4
12	0481	CAP SCR 0.25-20X2.00 HHGR5	2
13	0347	NUT 0.38-16 HHGR5 NYLOC	6
14	0346	WASHER 0.38 USS FLAT	4
15	8622	CLAMP HOSE/TUBE AG-2	8
16	0377	MACHY WASHER 2.00ID 14GA	4
17	0108	SNAP RING 2.00 7200-200	4
18	0352	WASHER 0.50 USS FLAT	2
19	C0990	CAP SCR 0.50-13X0.75 HHGR5	2
20	0427	MACHY WASHER 2.00ID 10GA	2
21	c1592	ZERK 1/8 NPT STRAIGHT	2
22	32086	CAP SCR 0.38-16X4.25 HHGR5	2
23	85732CR	PIN 2.00X12.69 SR	2
24	53853	VALVE PLUNGER VILLA HYD NORMALLY CLOSED	1
25	57735	FTG 8-8 MBSPP-MFS STRAIGHT	2
26	54736	TUBE ASM 0.50 SLIDER40 JIB RETRACT VALVE YZ	1
27	57488	TUBE ASM 0.50 SLIDER40 JIB RETRACT YZ	1
28	57736	TUBE ASM 0.50 SLIDER40 JIB EXTEND YZ	1
29	60470	BRKT PLUNGER VILLA HYD VALVE	1
30	85649	BASE SLIDER40 GEN2	1
31	1547	THRUST WASHER 2.51DIA UHMW .12THK	4
32	1546	THRUST WASHER 2.01DIA UHMW .12THK	6

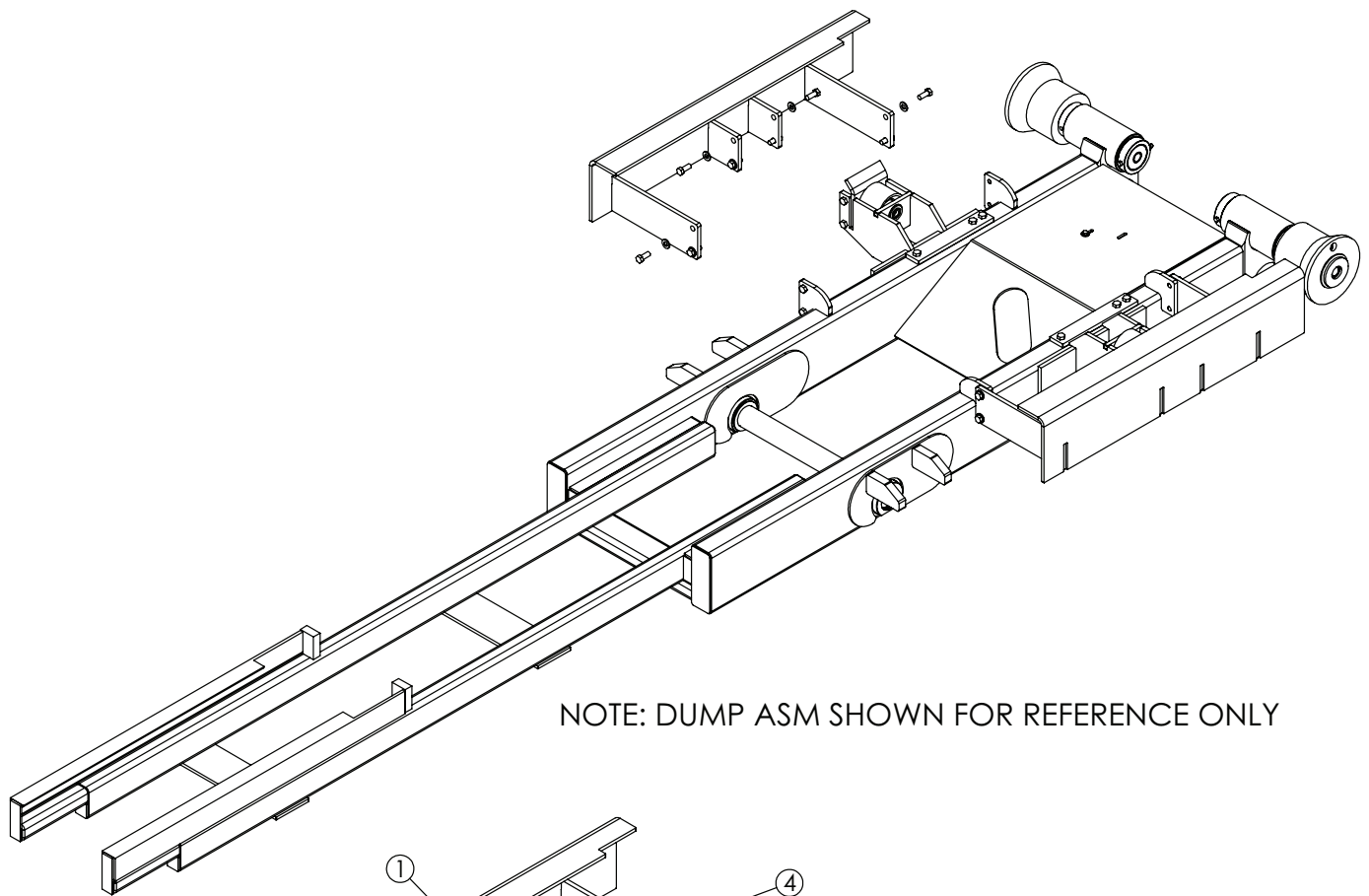
# Dump Assembly - PN 85779



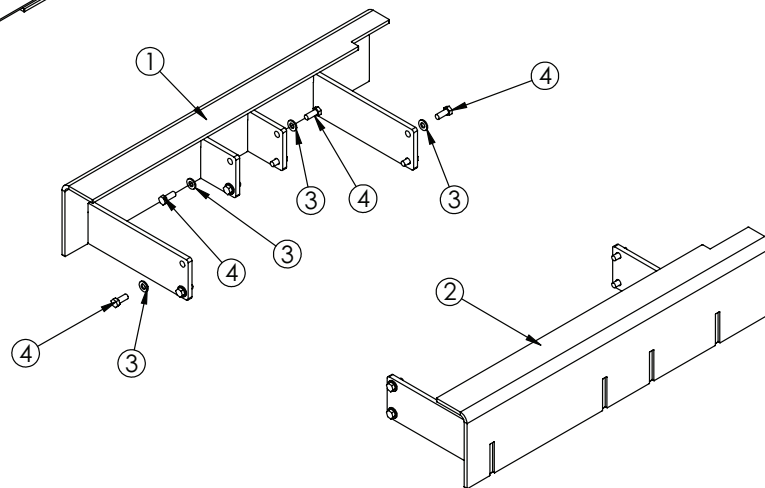
## PN 85779

ITEM	PART	DESCRIPTION	QTY.
1	85379	DUMP SLIDER40 OUTSIDE LATCH MNTS GEN2	1
2	0427	MACHY WASHER 2.00ID 10GA	2
3	c1592	ZERK 1/8 NPT STRAIGHT	6
4	C0990	CAP SCR 0.50-13X0.75 HHGR5	2
5	0489	CAP SCR 0.31-18X2.50 HHGR5	1
6	0352	WASHER 0.50 USS FLAT	2
7	0343	WASHER 0.31 USS FLAT	1
8	22216	SNAP RING INSIDE 2.50	2
9	1547	THRUST WASHER 2.51DIA UHMW .12THK	2
10	0342	NUT 0.31-18 HHGR5 NYLOC	1
11	0865	BUSHING 48DXR32 GARLOCK	4
12	0635	BUSHING 40DXR32 GARLOCK	6
13	13343	BUSHING 40DXR16 GARLOCK	2
14	54522CR	PIN TEAR DROP 2.00X4.38 W/ZERK	2
15	45373	ROLLER 2.00X4.00X3.00 OUTSIDE SI60	2
16	25582CR	PIN 2.50X25.25	1
17	8622	CLAMP HOSE/TUBE AG-2	2
18	56845CR	PIN WLDMT 3.00X16.44	2
19	1548	THRUST WASHER 3.01DIA UHMW .12 THK	4
20	22432PC	ROLLER 3.00X6.00X3.81X8.00 POWDERCOAT YEL	2
21	26168	COLLAR RETAINING 3.01X4.00X1.00	4
22	41498	CAP SCR 0.38-16X4.75 HHGR5	2
23	0347	NUT 0.38-16 HH NYLOC	2

# Outside Latch Assembly - PN 56842 (Optional)



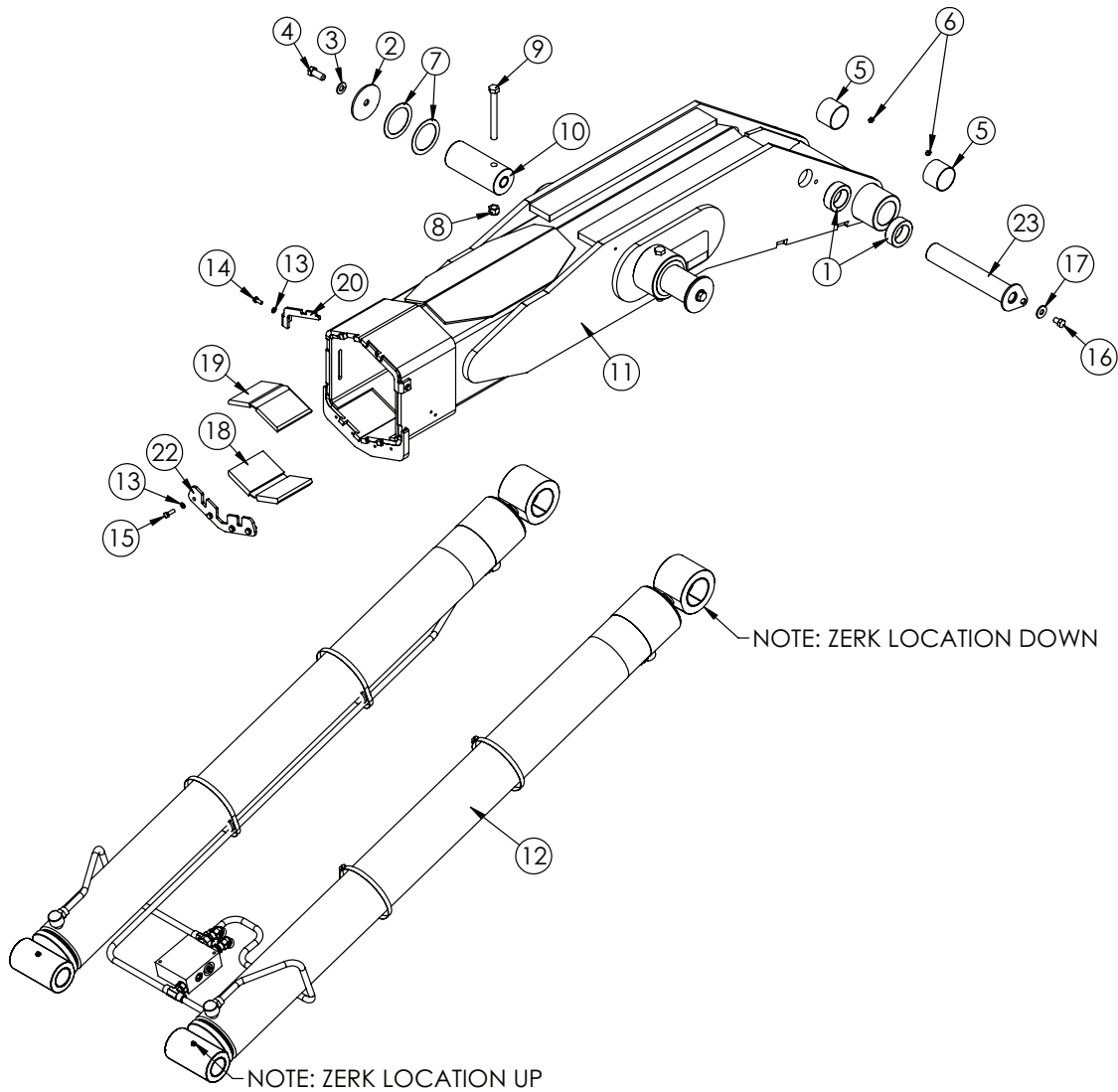
NOTE: DUMP ASM SHOWN FOR REFERENCE ONLY



## PN 56842

ITEM	PART	DESCRIPTION	QTY.
1	56840	LATCH WLDMT OUTSIDE CS SLIDER40	1
2	56841	LATCH WLDMT OUTSIDE SS SLIDER40	1
3	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	16
4	10666	CAP SCR 0.50-13X1.25 HHGR8	16

# Secondary Assembly - PN 85661

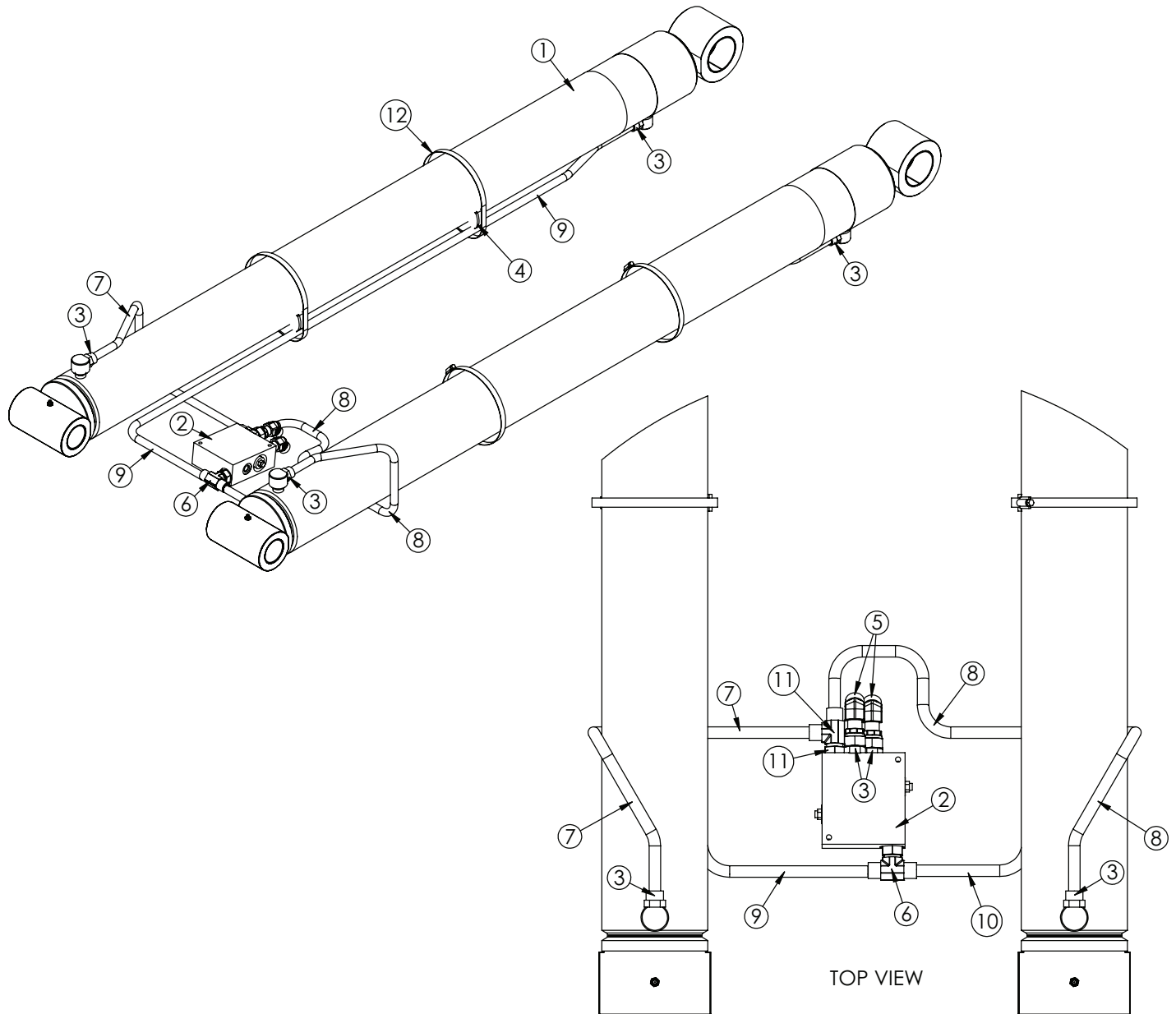


## PN 85661

PART	ITEM	DESCRIPTION	QTY.
21586	1	COLLAR 2.01X3.00X1.00 UHMW	2
8597	2	PIN CAP 0.69x4.00x0.19 YZ	2
C5902	3	WASHER 0.63 SAE FLAT YELLOW GR8	2
0356	4	CAP SCR 0.63-11X1.50 HHGR8 ZY	2
0635	5	BUSHING 40DXR32 GARLOCK	2
c1592	6	ZERK 1/8 NPT STRAIGHT	2
8858	7	THRUST WASHER 3.01DIA UHMW .06 THK	4
24868	8	NUT 0.63-11 HHGR8 NYLOC	2
60800	9	CAP SCR 0.63-11X6.00 HHGR8	2
85734CR	10	PIN 3.00X7.13 D&T W/HOLE	2
85662	11	SECONDARY SLIDER40 GEN2	1
85735	12	CYLINDER ASM DUAL SLIDER40 GEN2	1
0522	13	WASHER 0.31 LOCK	6
0420	14	CAP SCR 0.31-18X0.75 HHGR5	2
C0922	15	CAP SCR 0.31-18X1.00 HHGR5	4
C0990	16	CAP SCR 0.50-13X0.75 HHGR5	1
0352	17	WASHER 0.50 USS FLAT	1
73513	18	WEAR PAD V-SHAPED SLIDER50	1
77414	19	WEAR PAD V-SHAPED SLIDER50 0.50IN THICK	1
73768	20	WEAR PAD COVER CS	1
73770	21	WEAR PAD COVER SS	1
76731	22	PLATE BOTTOM WEAR PAD COVER SEC PC BLACK	1
12830CR	23	PIN TEAR DROP 2.00X11.50	1



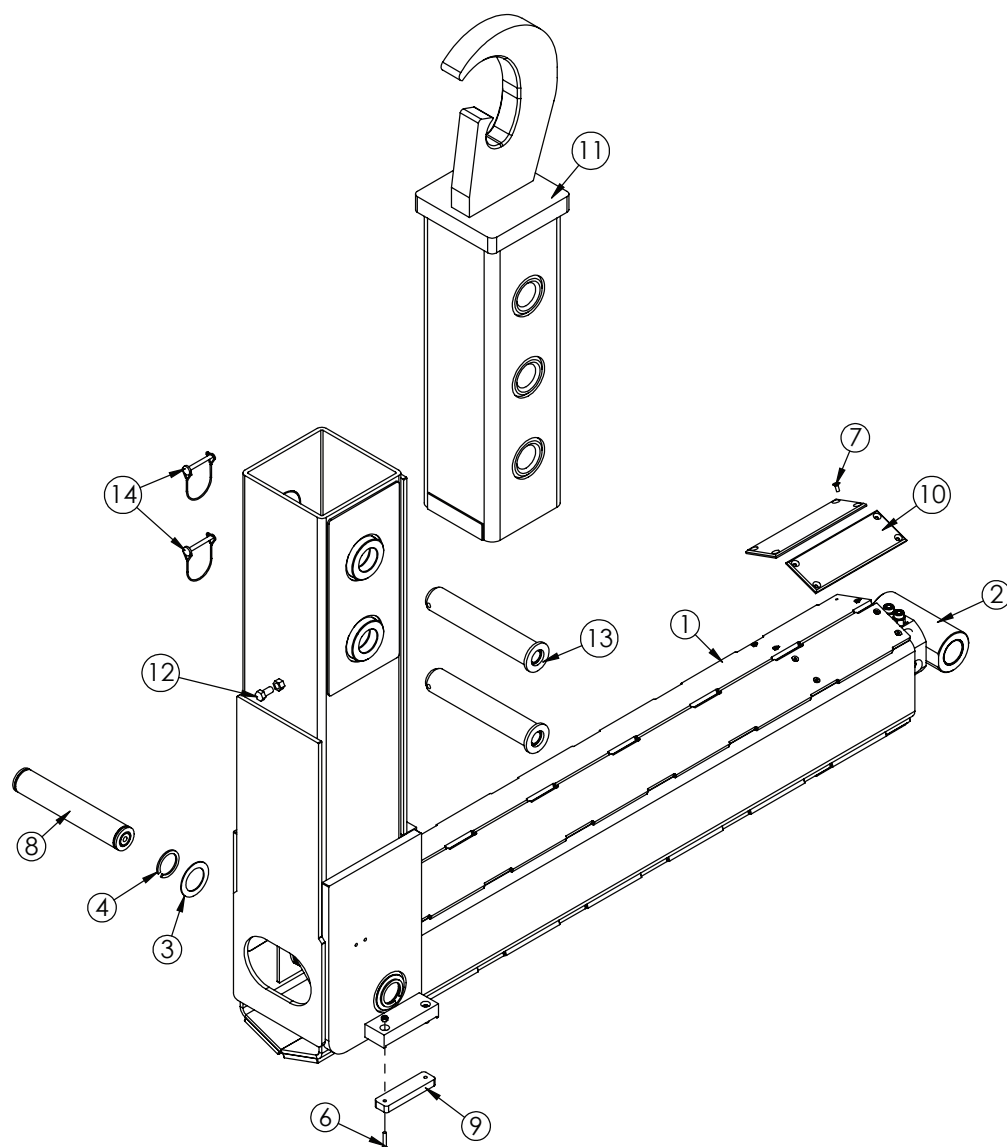
# Main Cylinder Assembly - PN 85735



## PN 85735

ITEM	PART	DESCRIPTION	QTY.
1	85736	CYLINDER 5.00X62.25 GEN2	2
2	15995	MANIFOLD ASM DUAL T2A 5000PSI	1
3	31053	FTG 10-8 MFS-MORB STRAIGHT	6
4	18701	CLAMP PORT TUBE ZR518	4
5	50734	FTG 10-10 MFS-FFSS 45	2
6	40215	FTG 10-10-10 MFS-MFS-MAORB TEE	1
7	85737	TUBE ASM 0.63 SLIDER40 EXTEND CS YZ	1
8	85738	TUBE ASM 0.63 SLIDER40 EXTEND SS YZ	1
9	85739	TUBE ASM 0.63 SLIDER40 RETRACT CS YZ	1
10	85740	TUBE ASM 0.63 SLIDER40 RETRACT SS YZ	1
11	39142	FTG 10-10-10 MJ-MAORB-MJ RUN TEE	1
12	19369	HOSE CLAMP 4.13-7.00 5416K38	4

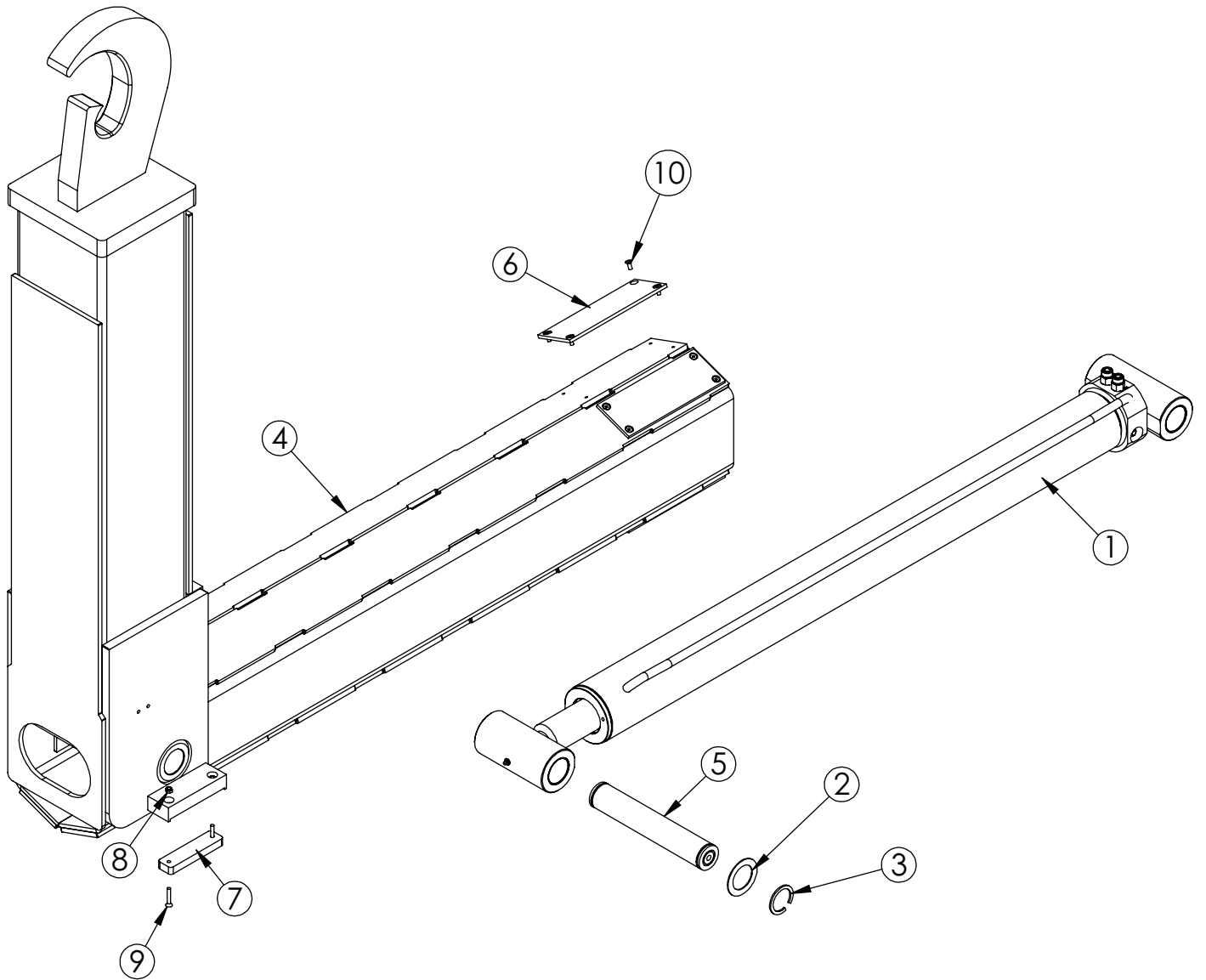
# Adj. Hook Height Assembly (Man.) - PN 120898



## PN 120898

ITEM	PART No.	DESCRIPTION	QTY.
01	120899	JIB SLIDER40 GEN2 54/62HH MANUAL	1
02	57160	CYLINDER ASM 4.00X36.00	1
03	0377	MACHY WASHER 2.00ID 14GA	2
04	0108	SNAP RING 2.00 7200-200	2
05	0333	NUT 0.25-20 HHGR5 NYLOC	4
06	76182	CAP SCR 0.25-20X1.50 FHSH PLN	4
07	25741	CAP SCR 0.25-20X0.63 FHSH SS	16
08	38833CR	PIN 2.00X11.38 SR ZC	1
09	76720	WEARPAD JIB SLIDER 50	2
10	73771	WEAR PAD SLIDER50	4
11	117671	JIB TOP SLIDER50 MANUAL	1
12	10172	CAP SCR 0.50-13X1.00 HHGR8	1
13	117674CR	PIN WLDMT 2.00X11.31 ZC	2
14	45216	PIN 0.31X2.75 WIRE LOCK	2

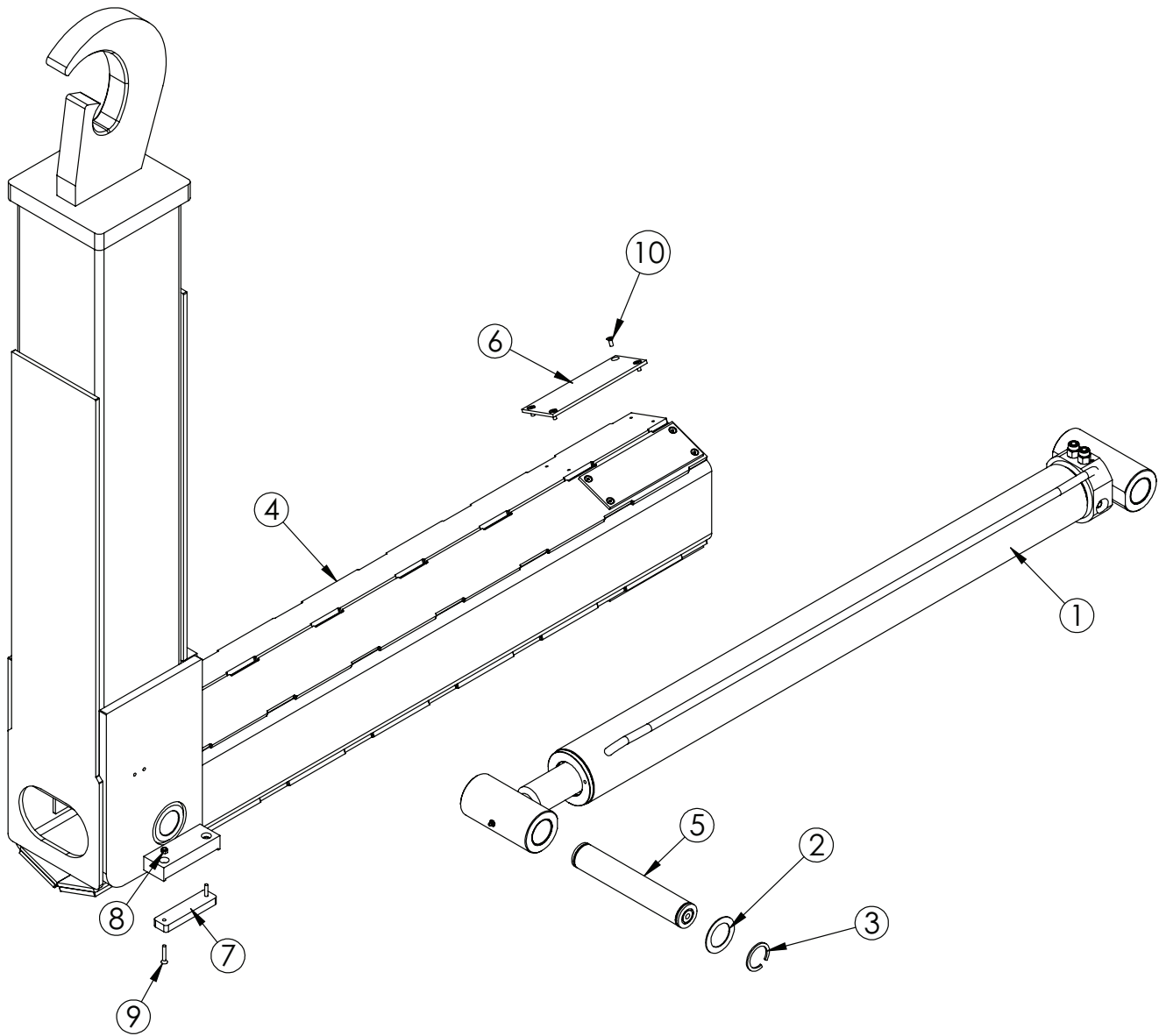
# Jib Assembly (54" Hook Height) - PN 85780



## PN 85780

ITEM	PART	DESCRIPTION	QTY.
1	57160	CYLINDER ASM 4.00X36.00	1
2	0377	MACHY WASHER 2.00ID 14GA	2
3	0108	SNAP RING 2.00 7200-200	2
4	85781	JIB SLIDER40 54HH GEN2	1
5	38833CR	PIN 2.00X11.38 SR	1
6	73771	WEAR PAD SLIDER50	4
7	76720	WEARPAD JIB SLIDER 50	2
8	0333	NUT 0.25-20 HHGR5 NYLOC	4
9	76182	CAP SCR 0.25-20X1.50 FSHH PLN	4
10	25741	CAP SCR 0.25-20X0.63 FSHH SS	16

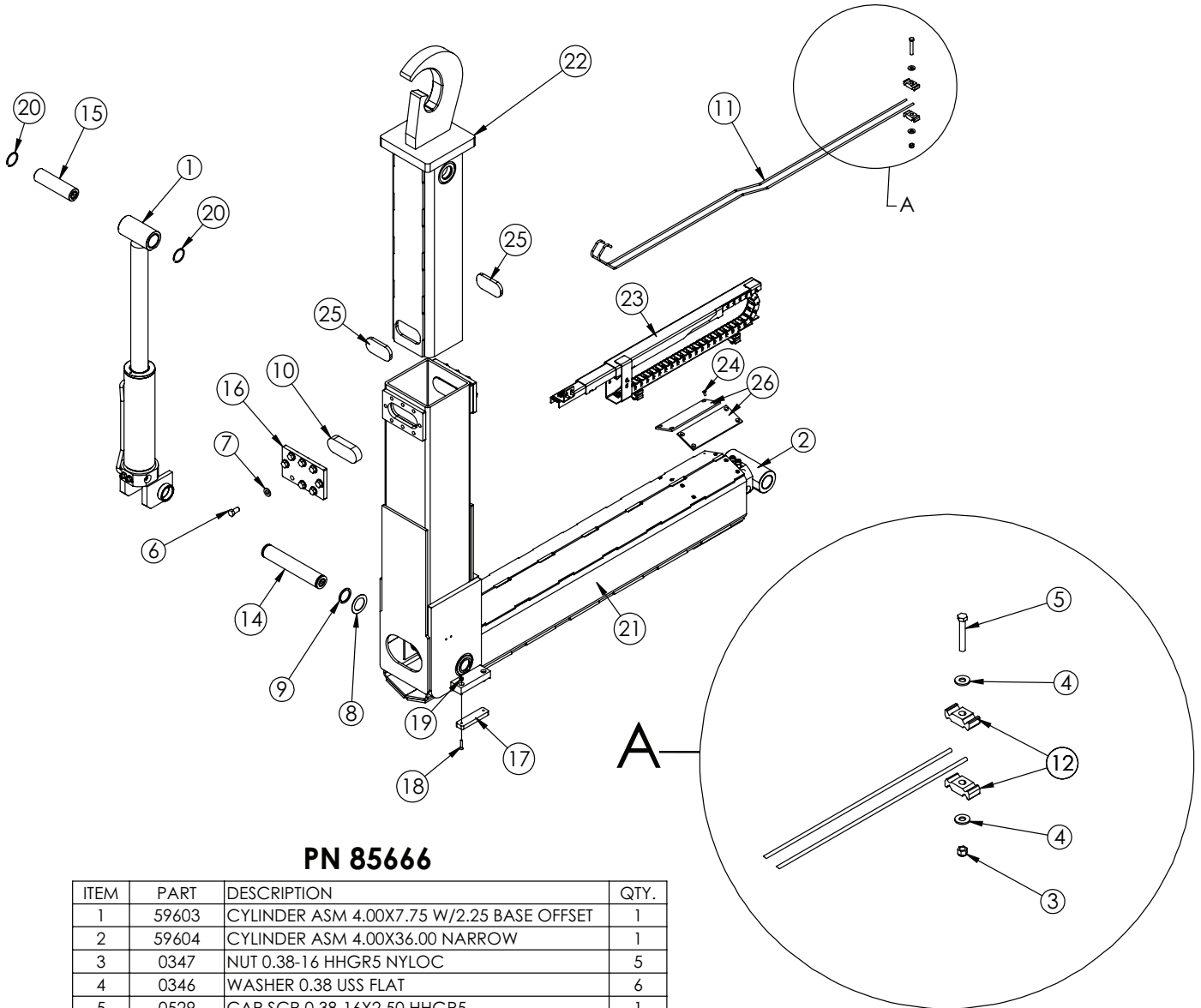
# Jib Assembly (61.75" Hook Height) - PN 85970



## PN 85970

ITEM	PART	DESCRIPTION	QTY.
1	57160	CYLINDER ASM 4.00X36.00	1
2	0377	MACHY WASHER 2.00ID 14GA	2
3	0108	SNAP RING 2.00 7200-200	2
4	85971	JIB SLIDER40 62HH GEN2	1
5	38833CR	PIN 2.00X11.38 SR	1
6	73771	WEAR PAD SLIDER50	4
7	76720	WEARPAD JIB SLIDER 50	2
8	0333	NUT 0.25-20 HHGR5 NYLOC	4
9	76182	CAP SCR 0.25-20X1.50 FSH PLN	4
10	25741	CAP SCR 0.25-20X0.63 FSH SS	16

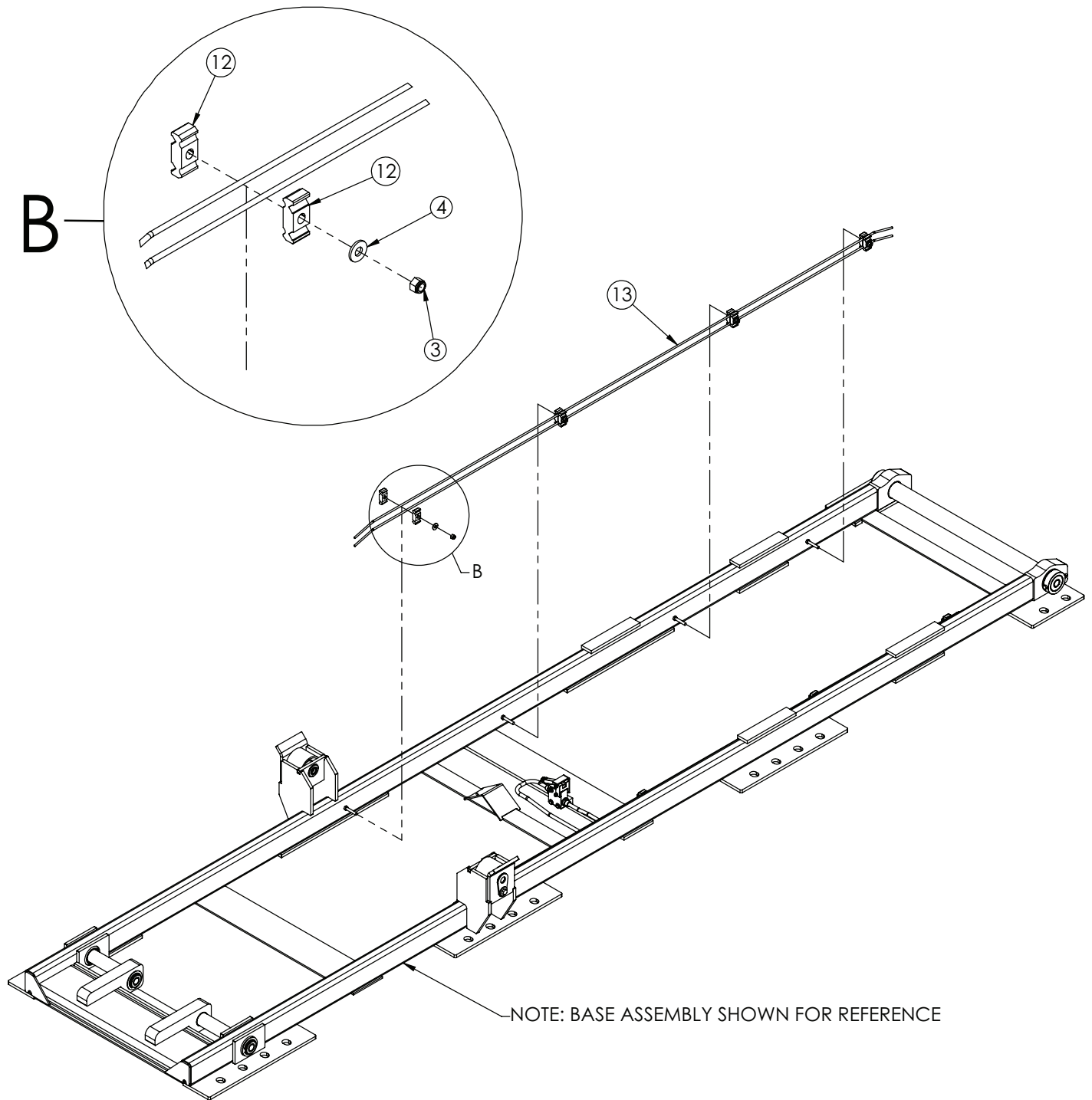
# Jib Assembly (54/61.75" Hook Height) - PN 85666



## PN 85666

ITEM	PART	DESCRIPTION	QTY.
1	59603	CYLINDER ASM 4.00X7.75 W/2.25 BASE OFFSET	1
2	59604	CYLINDER ASM 4.00X36.00 NARROW	1
3	0347	NUT 0.38-16 HHGR5 NYLOC	5
4	0346	WASHER 0.38 USS FLAT	6
5	0529	CAP SCR 0.38-16X2.50 HHGR5	1
6	66839	CAP SCR 0.63-11X1.25 HHGR8 ZY W/RED PATCH	16
7	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	16
8	0377	MACHY WASHER 2.00ID 14GA	2
9	0108	SNAP RING 2.00 7200-200	2
10	47993	WEAR PAD S65 JIB HYD HH	2
11	58232	TUBE ASM 0.25 SLIDER40 JIB HH YZ	2
12	8622	CLAMP HOSE/TUBE AG-2	10
13	59213	TUBE ASM 0.25 SLIDER40 JIB EXTEND YZ	2
14	38833CR	PIN 2.00X11.38 SR	1
15	6764CR	PIN 2.00X7.25	1
16	47994	COVER WEAR PAD S65 JIB HYD HH	2
17	76720	WEARPAD JIB SLIDER 50	2
18	76182	CAP SCR 0.25-20X1.50 FHSN PLN	4
19	0333	NUT 0.25-20 HHGR5 NYLOC	4
20	2257	SNAP RING INSIDE 2.00	2
21	85667	JIB SLIDER40 54/62HH HYD GEN2	1
22	85750	JIB TOP SLIDER40 HYD GEN2	1
23	85746	HOSE TRACK ASM SLIDER40 GEN2	1
24	25741	CAP SCR 0.25-20X0.63 FHSN SS	16
25	74797	WEAR PAD SLIDER50 HYD HH	2
26	73771	WEAR PAD SLIDER50	4

# Jib Assembly (54/61.75" Hook Height) - PN 85666 Continued...

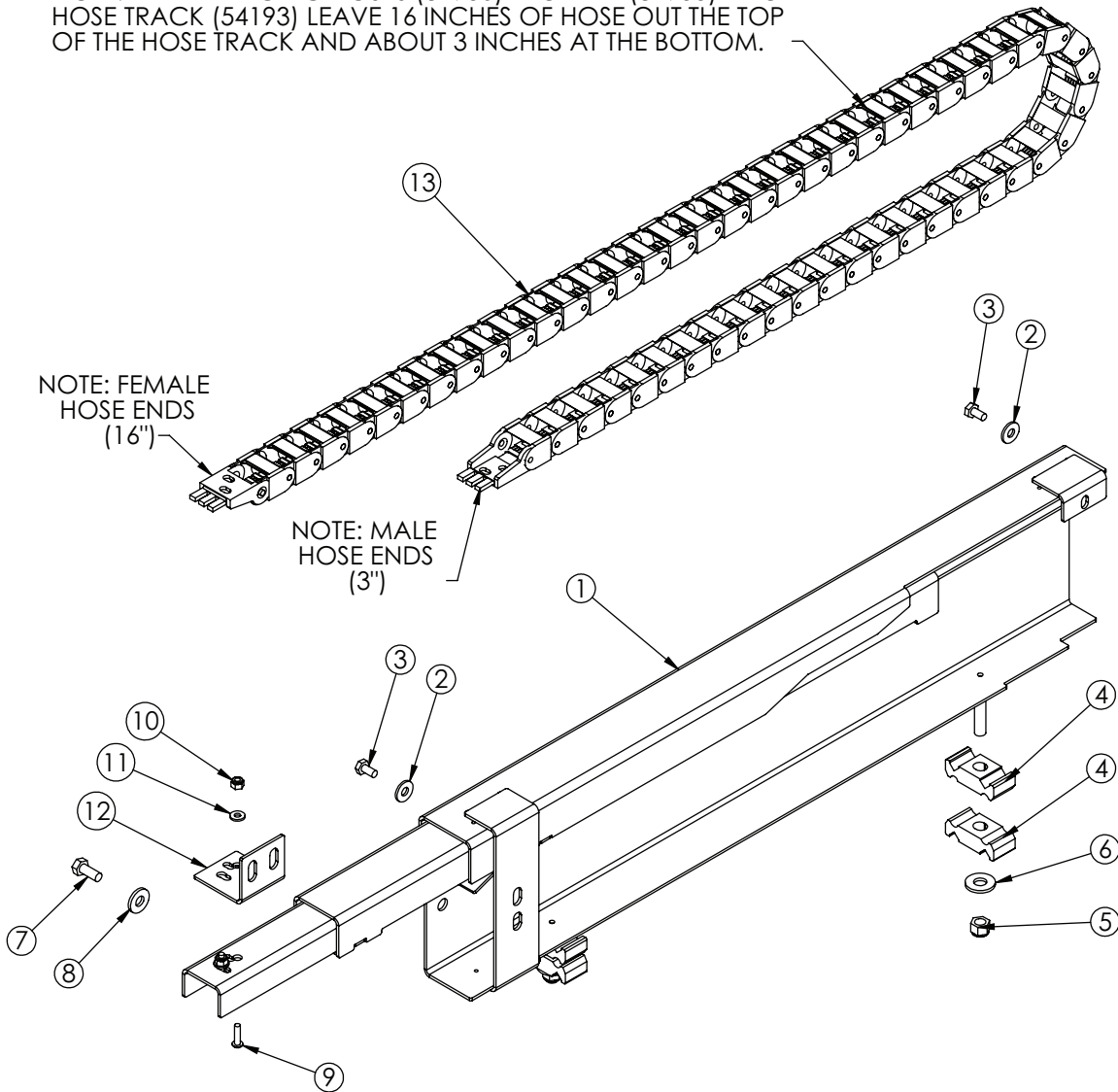


## PN 85666 Continued

ITEM	PART	DESCRIPTION	QTY.
3	0347	NUT 0.38-16 HHGR5 NYLOC	5
4	0346	WASHER 0.38 USS FLAT	6
12	8622	CLAMP HOSE/TUBE AG-2	10
13	59213	TUBE ASM 0.25 SLIDER40 JIB EXTEND YZ	2

# Hose Track - PN 85746

NOTE: WHEN PLACING HOSES (84950) FROM KIT (84955) INTO THE HOSE TRACK (54193) LEAVE 16 INCHES OF HOSE OUT THE TOP OF THE HOSE TRACK AND ABOUT 3 INCHES AT THE BOTTOM.



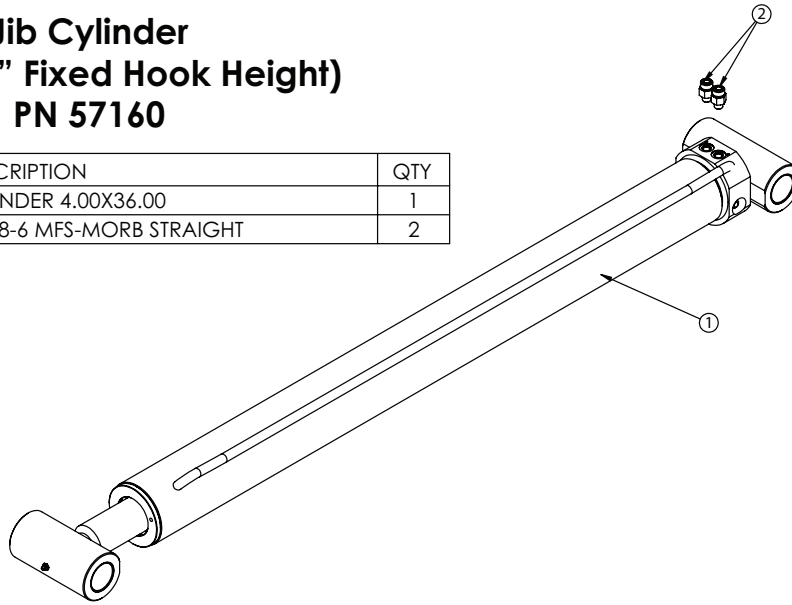
## PN 85746

ITEM	PART	DESCRIPTION	QTY.
1	85747	HOSE TRACK WLDMT SLIDER40 GEN2	1
2	0340	WASHER 0.25 USS FLAT	2
3	0478	CAP SCR 0.25-20X0.50 HHGR5	2
4	8622	CLAMP HOSE/TUBE AG-2	4
5	0347	NUT 0.38-16 HHGR5 NYLOC	2
6	0346	WASHER 0.38 USS FLAT	2
7	0420	CAP SCR 0.31-18X0.75 HHGR5	2
8	0343	WASHER 0.31 USS FLAT	2
9	D0894	CAP SCR #10-24X0.75 BTNHD SS	4
10	C4956	NUT #10-24 HH NYLOC SS	4
11	D0178	WASHER #10 SAE FLAT	4
12	54214	ANGLE FORMED 0.63X1.50X12GAX3.00	1
13	54193	HOSE TRACK SLIDER 26	1

# Slider40 Cylinder Assemblies

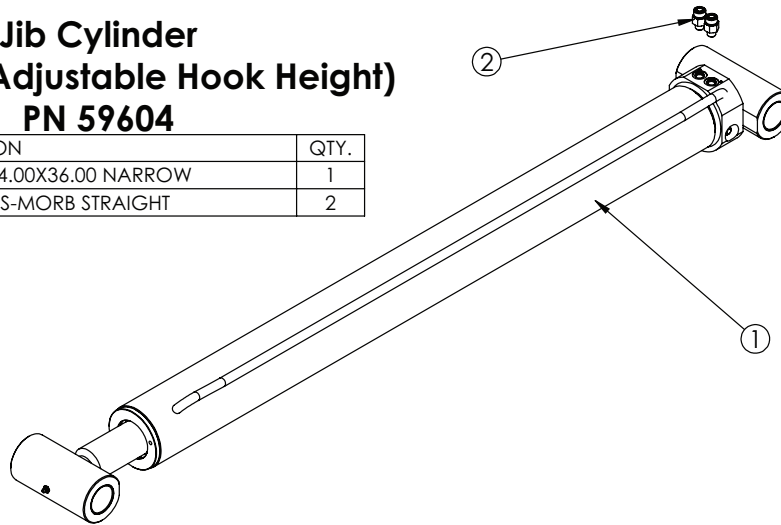
## Jib Cylinder (36" or 54" Fixed Hook Height) PN 57160

ITEM	PART	DESCRIPTION	QTY
1	56792	CYLINDER 4.00X36.00	1
2	D1290	FTG 8-6 MFS-MORB STRAIGHT	2



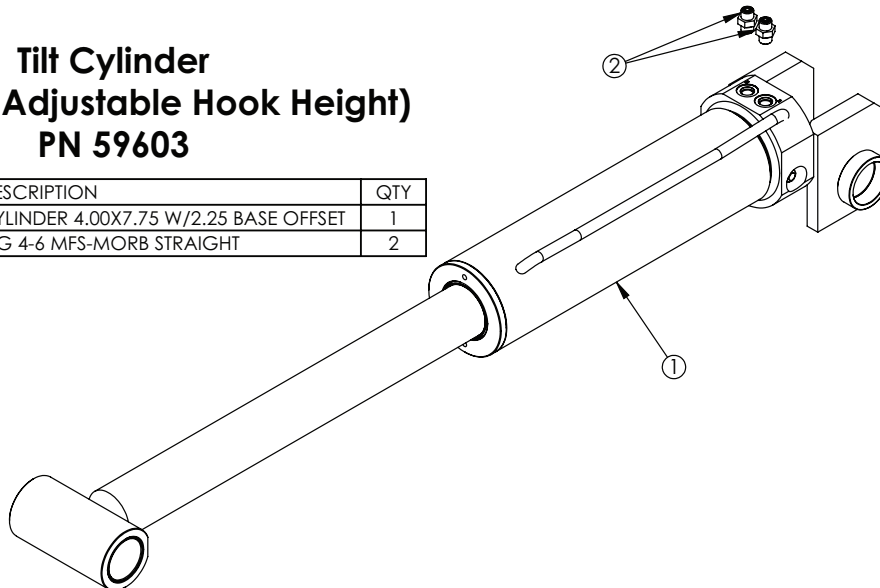
## Jib Cylinder (36" to 54" Adjustable Hook Height) PN 59604

ITEM	PART	DESCRIPTION	QTY.
1	59605	CYLINDER 4.00X36.00 NARROW	1
2	D1290	FTG 8-6 MFS-MORB STRAIGHT	2



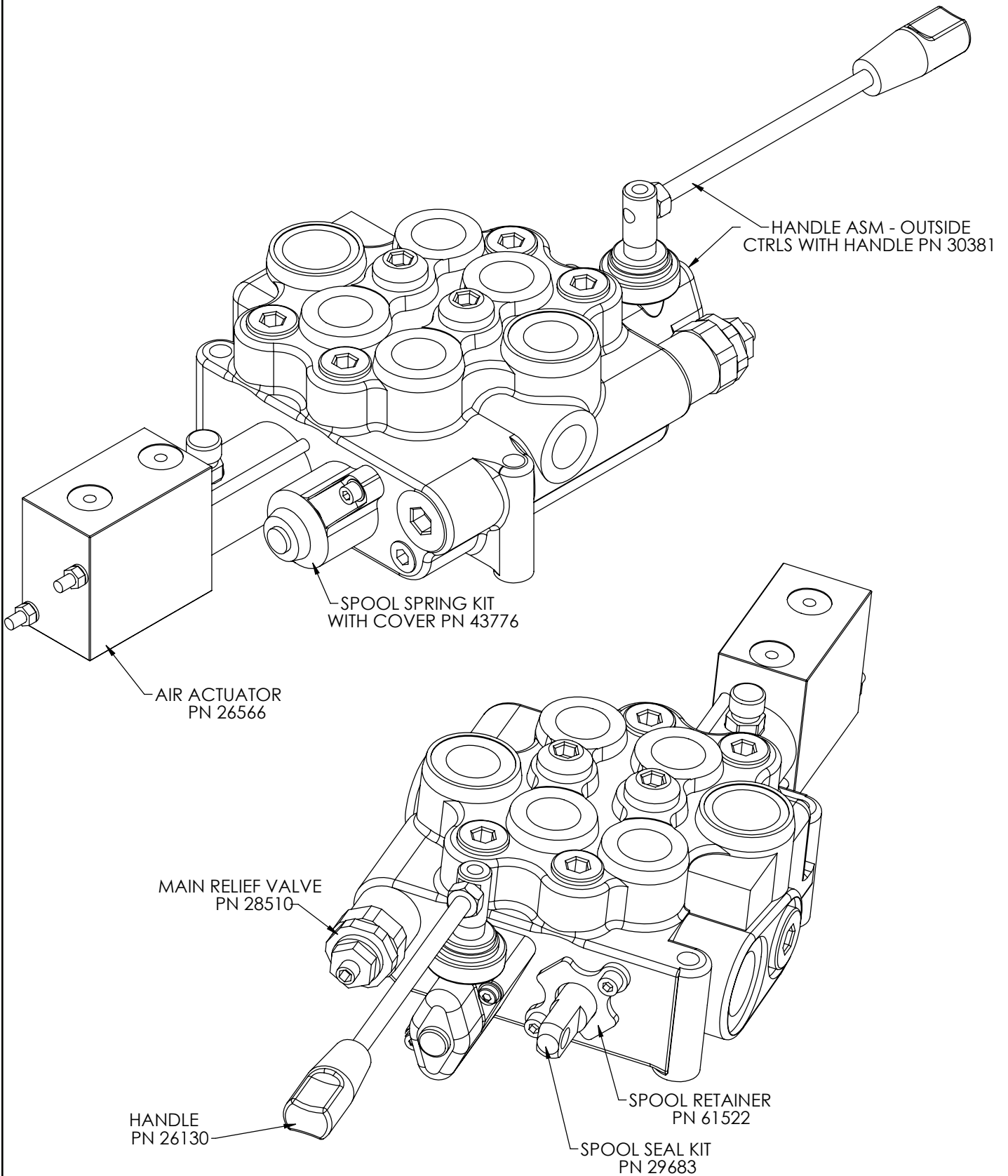
## Tilt Cylinder (36" to 54" Adjustable Hook Height) PN 59603

ITEM	PART	DESCRIPTION	QTY
1	59602	CYLINDER 4.00X7.75 W/2.25 BASE OFFSET	1
2	C4922	FTG 4-6 MFS-MORB STRAIGHT	2



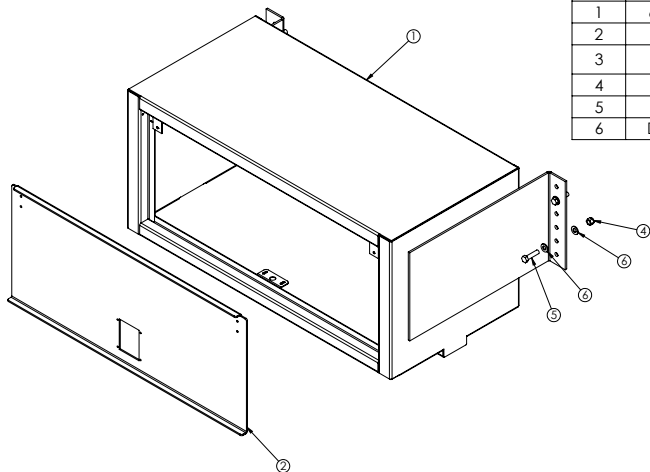


# Valve Bank Parts Drawing



# Toolbox Assembly - PN 8480

PN 8480

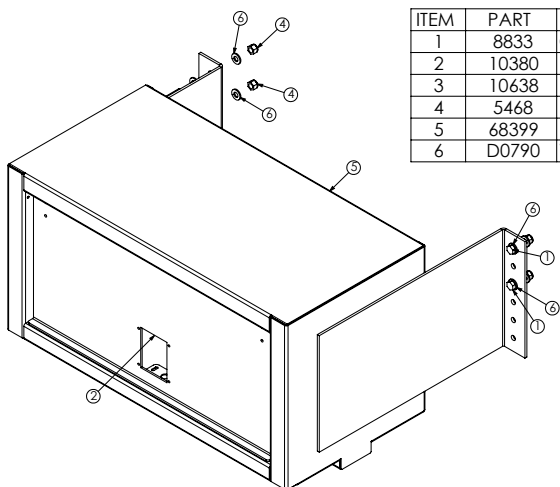


ITEM	PART	DESCRIPTION	QTY.
1	66791	UBTB WLDMT OH 20X45X22 W/MOUNTS	1
2	7193	DOOR AL OH 17.13X40.00	1
3	10638	HARDWARE ASM OH DOOR NOT SHOWN (NOT SHOWN)	1
4	5468	NUT 0.50-13 HHGR8 NYLOC	4
5	8833	CAP SCR 0.50-13X2.00 HHGR8	4
6	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	8

NOTE: ITEMS NOT SHOWN:  
C5976 (8 FT) WEATHERSTRIP  
70174 OH DOOR STOP KIT

# Toolbox Assembly - PN 10401

PN 10401

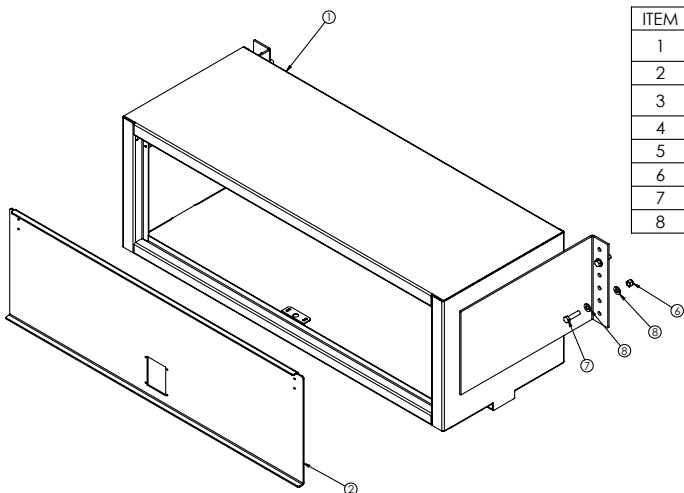


ITEM	PART	DESCRIPTION	QTY.
1	8833	CAP SCR 0.50-13X2.00 HHGR8	4
2	10380	DOOR AL OH 15.19X31.00	1
3	10638	HARDWARE ASM OH DOOR NOT SHOWN (NOT SHOWN)	1
4	5468	NUT 0.50-13 HHGR8 NYLOC	4
5	68399	UBTB WLDMT OH OH 18X36X18 W/MOUNTS TAB	1
6	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	8

ITEMS NOT SHOWN:  
C5976 (5 FT) WEATHERSTRIP  
70174 OH DOOR STOP KIT

# Toolbox Assembly - PN 10402

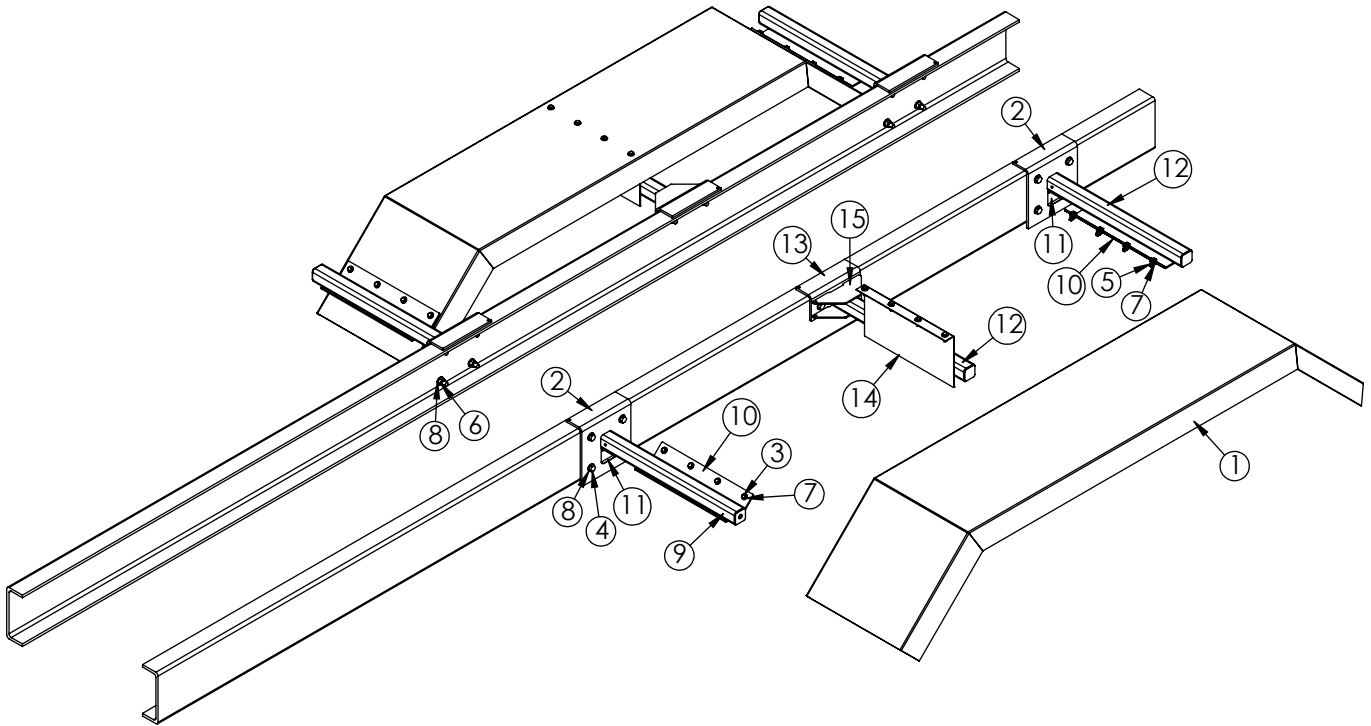
PN 10402



ITEM	PART	DESCRIPTION	QTY.
1	68604	UBTB WLDMT OH 20X58X22 W/MOUNTS TAB	1
2	10427	DOOR AL OH 17.19X53.00	1
3	10638	HARDWARE ASM OH DOOR NOT SHOWN (NOT SHOWN)	1
4	0479	CAP SCR 0.25-20X0.75 HHGR5	2
5	0333	NUT 0.25-20 HHGR5 NYLOC	2
6	5468	NUT 0.50-13 HHGR8 NYLOC	4
7	8833	CAP SCR 0.50-13X2.00 HHGR8	4
8	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	8

ITEMS NOT SHOWN:  
C5976 (8 FT) WEATHERSTRIP  
70174 OH DOOR STOP KIT

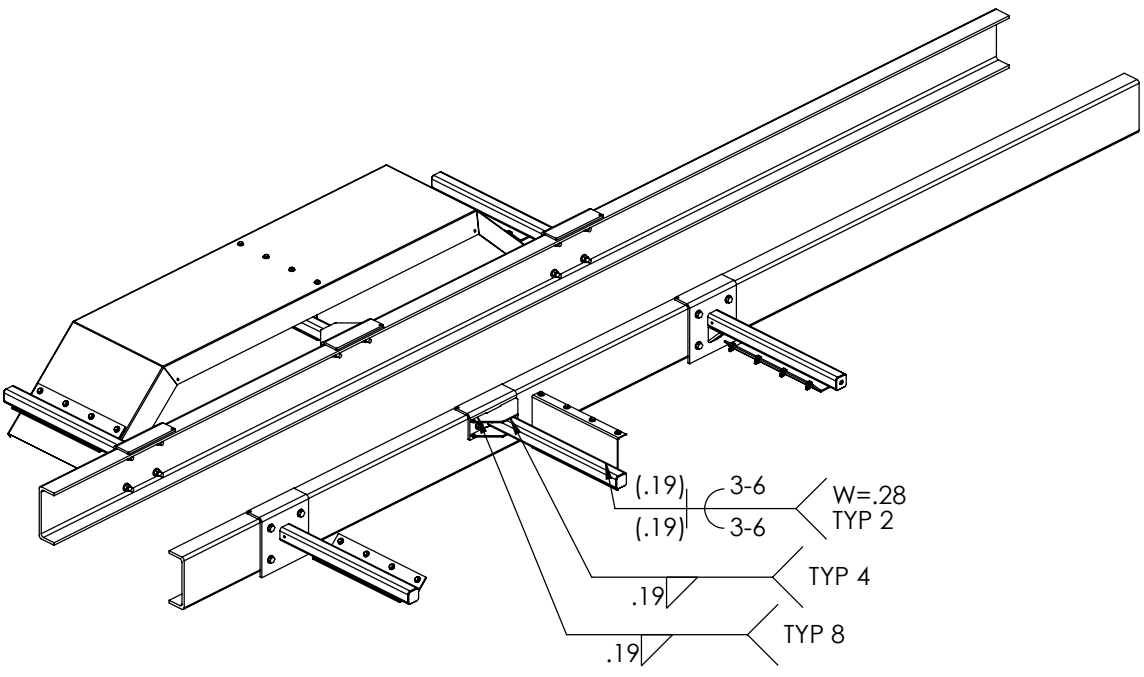
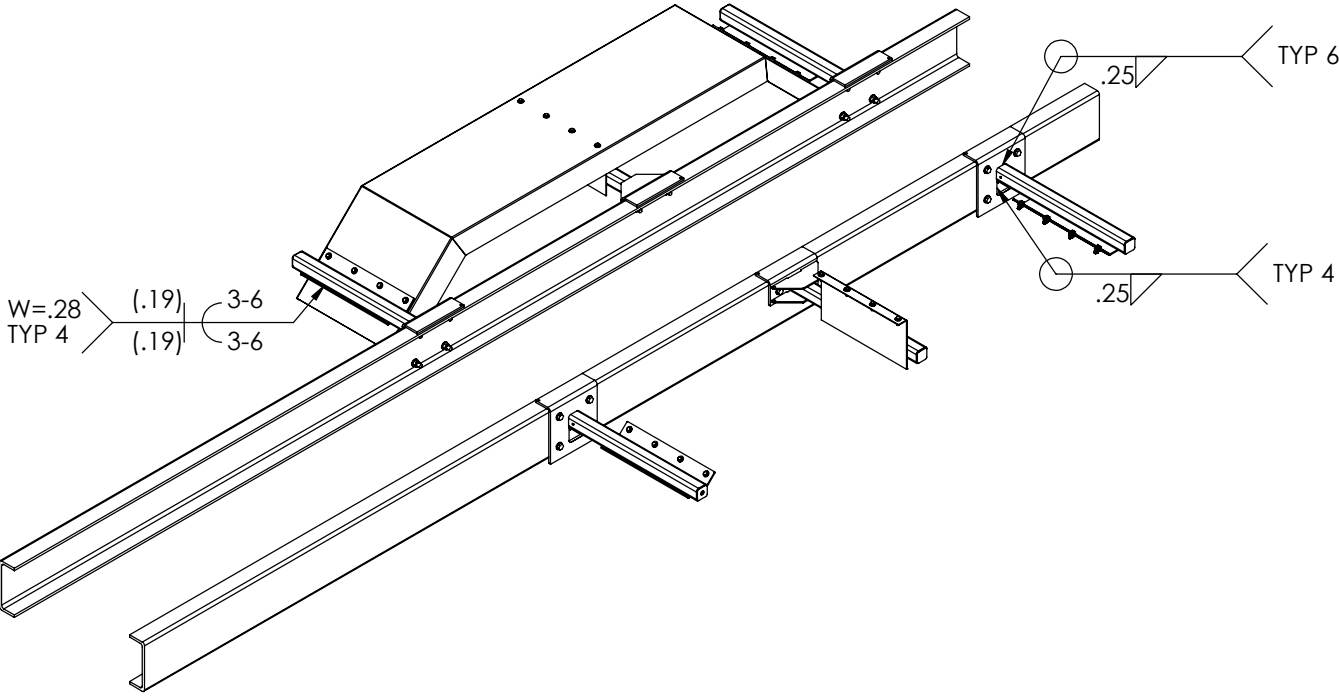
# Optional Fender Kit - PN 115695



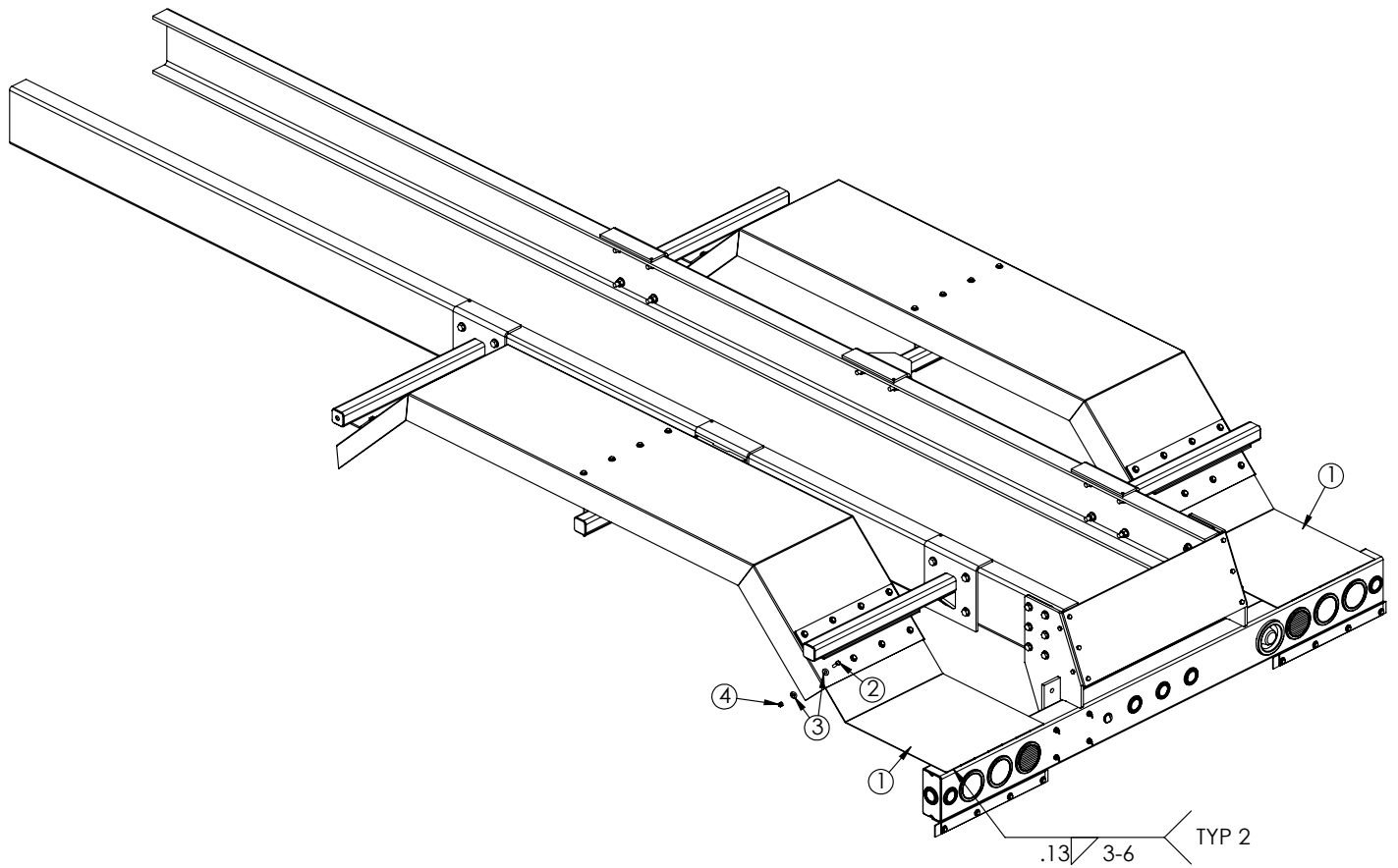
## PN 115695

ITEM	PART No.	DESCRIPTION	QTY.
01	118143	FENDER TANDEM DPS CNE W/ PAINT	2
02	118842	ANGLE FORMED 3.50X11.25X0.38X11.00	4
03	0335	CAP SCR 0.38-16X1.25 HHGR5	24
04	C1026	CAP SCR 0.63-11X2.50 HHGR8	20
05	0347	NUT 0.38-16 HHGR5 NYLOC	24
06	24868	NUT 0.63-11 HHGR8 NYLOC	20
07	0346	WASHER 0.38 USS FLAT	48
08	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	40
09	118839	WLDMT TUBE 2.50X2.50X0.19WX30.00 W/HOLE	2
10	118676	BRKT FENDER MNT FRONT HOOKLIFT TANDEM STEEL	4
11	47209	BRKT FENDER KP60	3
12	118840	WLDMT TUBE 2.50X2.50X0.19WX30.00	4
13	118843	ANGLE FORMED 3.50X4.88X0.38X11.00	2
14	118837	ANGLE FORMED 10GAX2.00X10.00X20.00	2
15	118841	PLATE TAPER TUBE MID MOUNT SUPPORT	4

# Optional Fender Kit - PN 115695 cont.



# Optional Threshold Plate Kit - PN 118281



## PN 118281

ITEM	PART No.	DESCRIPTION	QTY.
01	118277	PLATE BUMPER THRESHOLD TANDEM FENDER 24IN	2
02	0335	CAP SCR 0.38-16X1.25 HHGR5	8
03	0346	WASHER 0.38 USS FLAT	16
04	0347	NUT 0.38-16 HHGR5 NYLOC	8







Subject to Change without Notification.  
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